2006-08 DRIVELINE/AXLES

Driveline/Axle - Civic (All Except Hybrid)

SPECIAL TOOLS

Ref. No.	Tool Number	Description	Qty
①	07GAD-PH70201	Oil Seal Driver	1
②	07NAF-SR30101	Half Shaft Base	1
③	07XAC-001010A	Threaded Adapter, 22 x 1.5 mm	1
④	07XAC-001020A	Threaded Adapter, 24 x 1.5 mm	1
⑤	07746-0010400	Attachment, 52 x 55 mm	1
⑥	07746-0030400	Attachment, 35 mm I.D.	1
⑦	07749-0010000	Driver	1
⑧	07947-SB00100	Oil Seal Driver	1

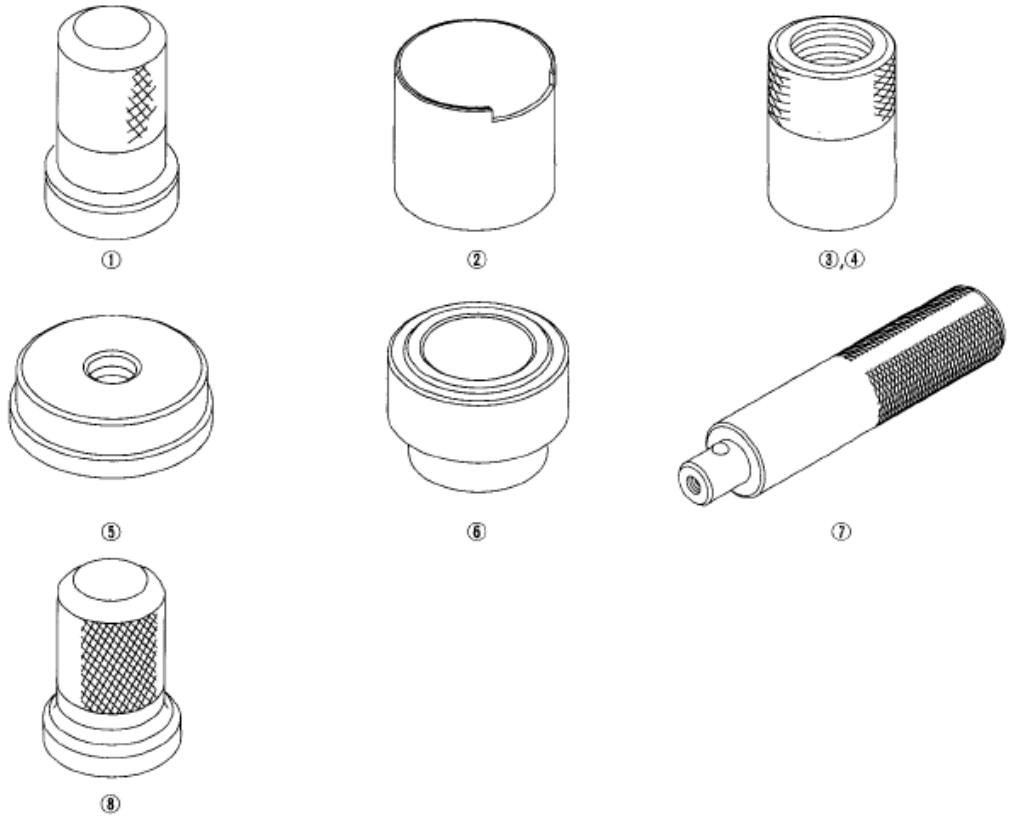

Fig. 1: Identifying Special Tools
Courtesy of AMERICAN HONDA MOTOR CO., INC.

COMPONENT LOCATION INDEX

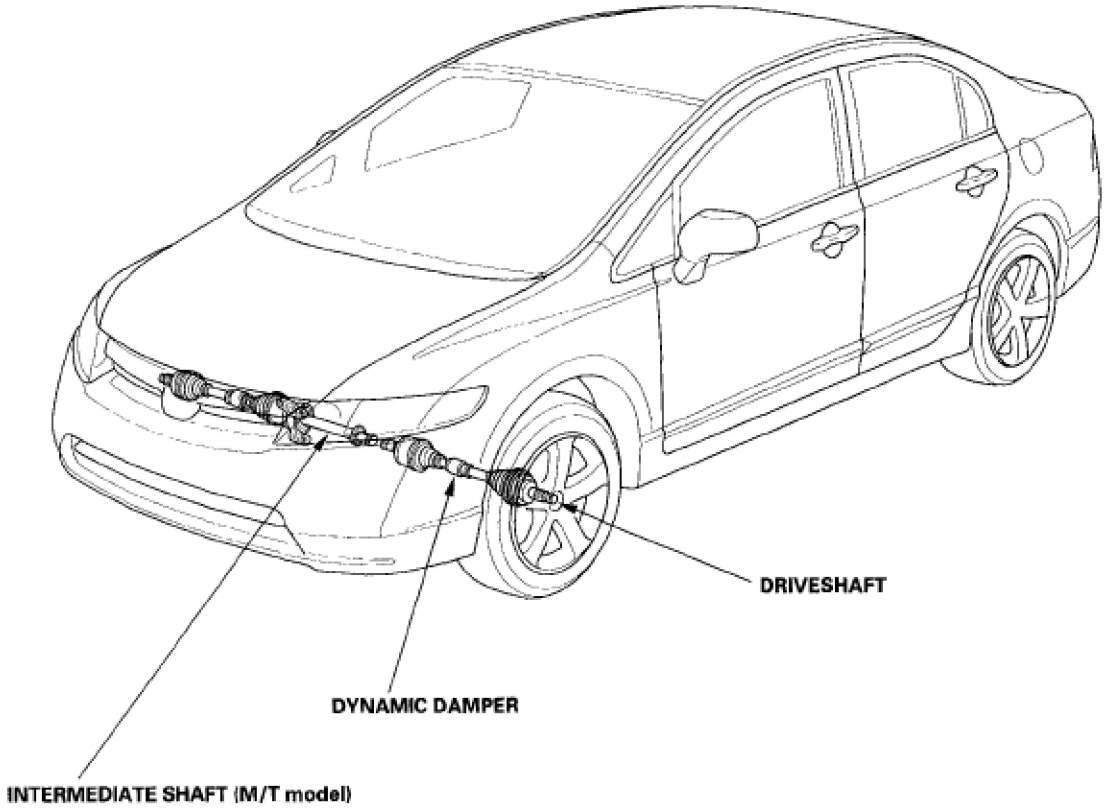

Fig. 2: Identifying Driveline/Axle Component Location
Courtesy of AMERICAN HONDA MOTOR CO., INC.

DRIVESHAFT INSPECTION

1. Check the inboard boot (A) and the outboard boot (B) for cracks, damage, leaking grease, and loose boot bands (C). If any damage is found, replace the boot and boot bands.

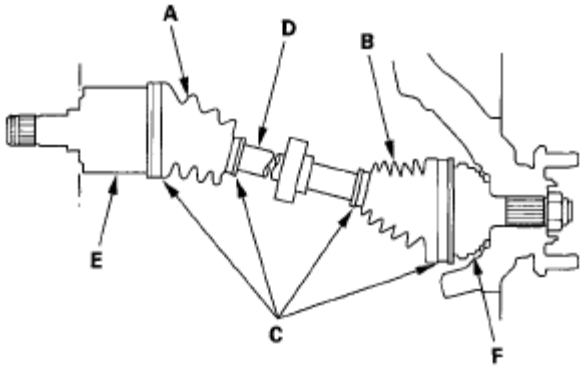

Fig. 3: Checking Inboard Boot And Outboard Boot For Cracks, Damage, Leaking Grease
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Check the driveshaft (D) for cracks and damage. If any damage is found, replace the driveshaft.
3. Check the inboard joint (E) and the outboard joint (F) for cracks and damage. If any damage is found, replace the inboard joint or the outboard joint as an assembly.
4. Hold the inboard joint and turn the front wheel by hand, then make sure the joint is not excessively loose. If necessary, replace the inboard joint or the outboard joint as an assembly.

DRIVESHAFT REMOVAL

1. Raise the vehicle on the hoist.
2. Remove the front wheels.
3. Lift up the locking tab (A) on the spindle nut (B), then remove the nut.

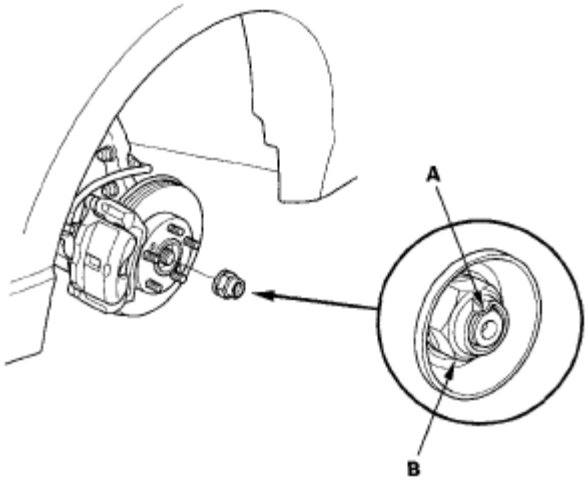

Fig. 4: Identifying Driveshaft Spindle Nut
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Drain the transmission fluid. Reinstall the drain plug with a new washer:
   - 5-speed Manual transmission (except Si) (see **TRANSMISSION FLUID INSPECTION AND REPLACEMENT**)
   - 6-speed Manual transmission (Si) (see **TRANSMISSION FLUID INSPECTION AND REPLACEMENT**).
   - Automatic transmission (see **ATF REPLACEMENT**)
5. Remove the nuts and bolt, then separate the lower arm with a prybar.

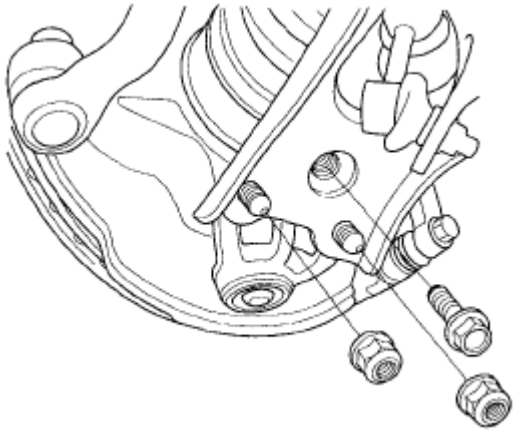

Fig. 5: Identifying Lower Arm Nuts And Bolt
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Remove the driveshaft outboard joint from the front wheel hub using a plastic

hammer.

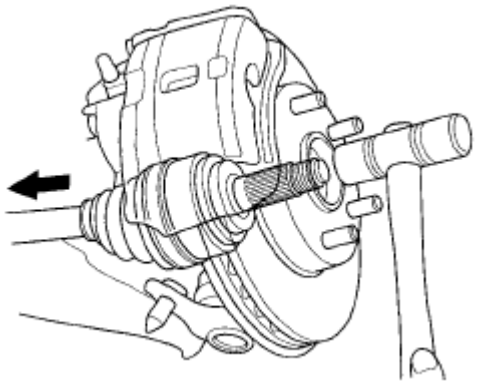

Fig. 6: Taping Driveshaft Outboard Joint
Courtesy of AMERICAN HONDA MOTOR CO., INC.

7. Pull the knuckle outward, and remove the driveshaft outboard joint from the front wheel hub.

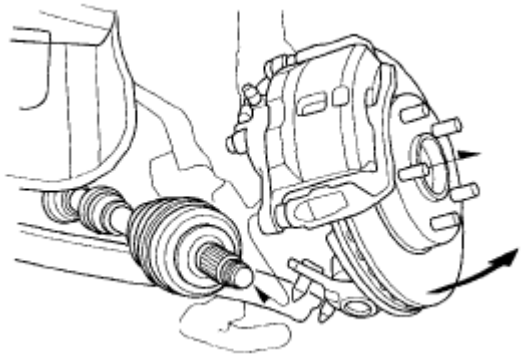

Fig. 7: Identifying Driveshaft Outboard Joint
Courtesy of AMERICAN HONDA MOTOR CO., INC.

8. Right driveshaft: Drive the inboard joint (A) off of the intermediate shaft using a drift and hammer (M/T model). Pry the inboard joint (B) from the transmission housing with a prybar (A/T model). Remove the driveshaft as an assembly.

NOTE: Do not pull on the driveshaft (C) or the inboard joint may come apart. Pull the driveshaft straight out to avoid damaging the oil seal.

M/T model:

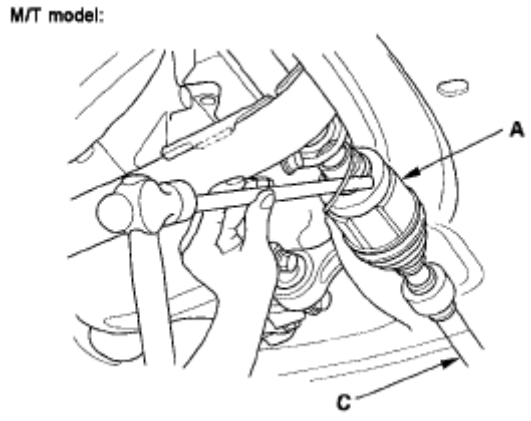

Fig. 8: Taping Inboard Joint - M/T Model
Courtesy of AMERICAN HONDA MOTOR CO., INC.

A/T model:

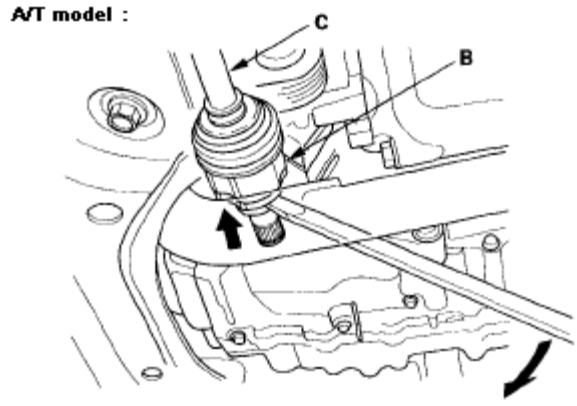

Fig. 9: Prying Inboard Joint - A/T Model
Courtesy of AMERICAN HONDA MOTOR CO., INC.

9. Left driveshaft: Pry the inboard joint (A) from the transmission housing with a prybar. Remove the driveshaft as an assembly.

NOTE: Do not pull on the driveshaft (B) or the inboard joint may come apart. Pull the driveshaft straight out to avoid damaging the oil seal.

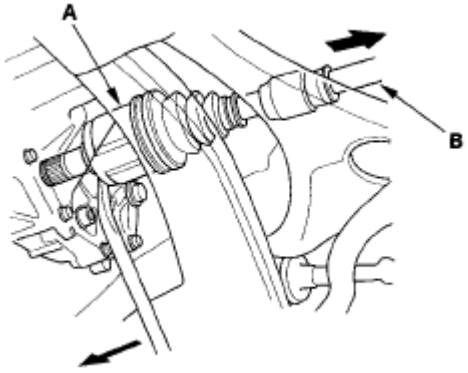

Fig. 10: Pulling Driveshaft
Courtesy of AMERICAN HONDA MOTOR CO., INC.

DRIVESHAFT DISASSEMBLY

Special Tools Required

- Threaded adapter, 22 x 1.5 mm 07XAC-001010A
- Threaded adapter, 24 x 1.5 mm 07XAC-001020A
- Slide hammer, 5/8"-18 UNF, commercially available

INBOARD JOINT SIDE

1. Remove the set ring (A) from the inboard joint.

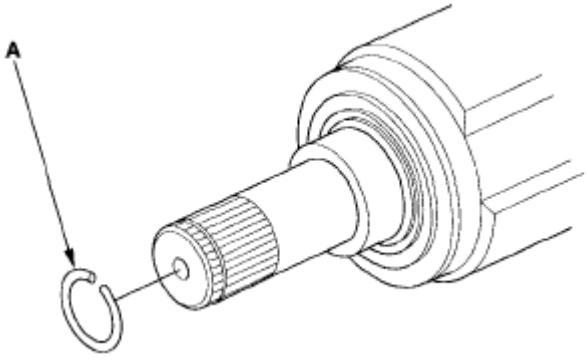

Fig. 11: Identifying Set Ring
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Remove the boot bands. Be careful not to damage the boot.
   - If the boot band is a welded type (A), cut the boot band.

- If the boot band is a double loop type (B), lift up the band bend (C), and push it into the clip (D).
- If the boot band is a low profile type (E), pinch the boot band using the commercially available boot band pliers (F).

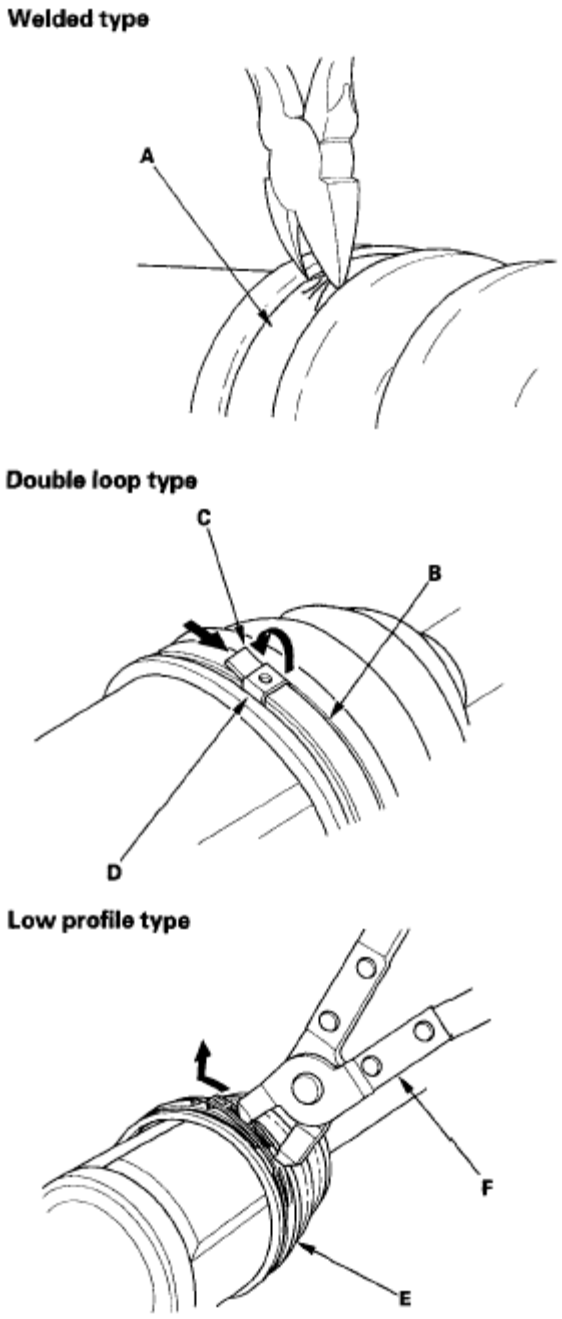

Fig. 12: Identifying Boot Band - Welded Type
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Make marks (A) on each roller (B) and inboard joint (C) to identify the locations of rollers and grooves in the inboard joint. Then remove the inboard joint on the shop towel (D). Be careful not to drop the rollers when separating them from the inboard joint.

NOTE: Do not engrave or scribe marks on the rolling surfaces.

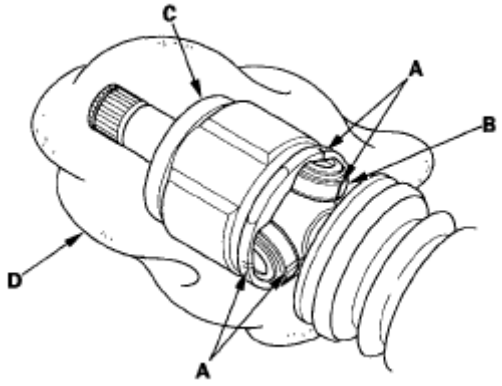

Fig. 13: Identifying Scribe Marks On Rolling Surfaces
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Use a paint pen to make marks (A) on the rollers (B) and spider (C) to identify the locations of the rollers on the spider, then remove the rollers.

NOTE: Do not engrave or scribe marks on the rolling surfaces.

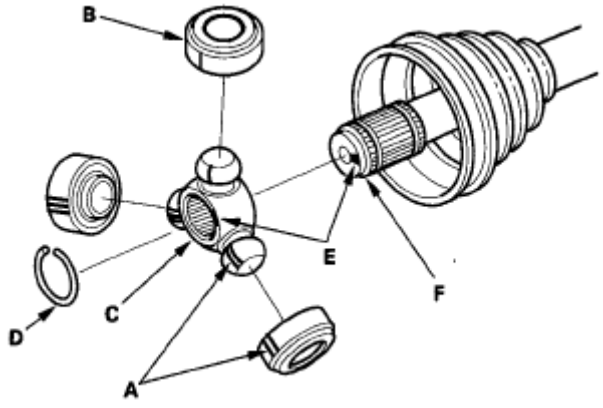

Fig. 14: Identifying Driveshaft Components
Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Remove the circlip (D).
6. Mark (E) the spider and driveshaft (F) to identify the position of the spider on the shaft.
7. Remove the spider.
8. Wrap the splines on the driveshaft with vinyl tape (A) to prevent damaging to the boot.

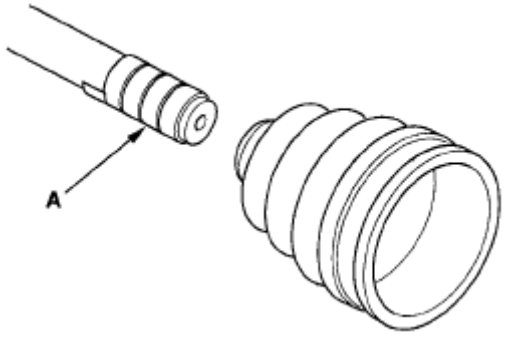

Fig. 15: Identifying Driveshaft Vinyl Tape
Courtesy of AMERICAN HONDA MOTOR CO., INC.

9. Remove the inboard boot. Be careful not to damage the boot.
10. Remove the vinyl tape.

Outboard Joint Side:

1. Remove the boot bands (A). Lift up the three tabs (B) with a screwdriver. Be careful not to damage the boot.

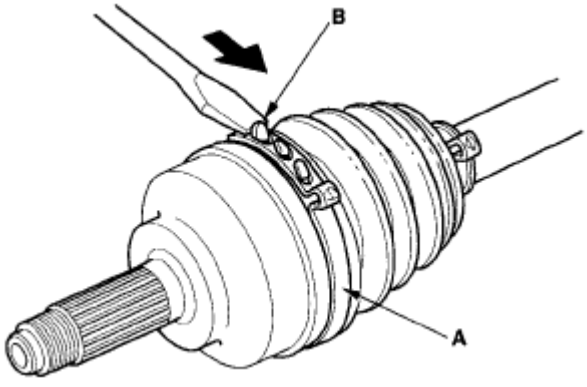

Fig. 16: Identifying Boot Bands

Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Slide the outboard boot (A) partially to the inboard joint side. Be careful not to damage the boot.

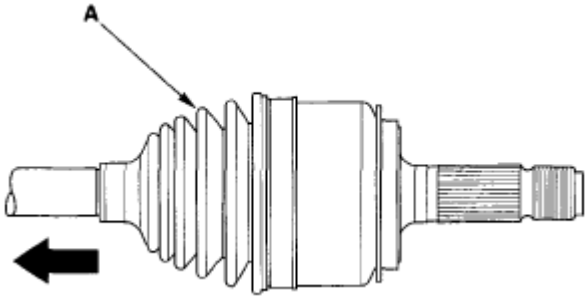

Fig. 17: Identifying Outboard Boot
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Wipe off the grease to expose the driveshaft and the outboard joint inner race.
4. Make a mark (A) on the driveshaft (B) at the same level as the outboard joint rim (C).

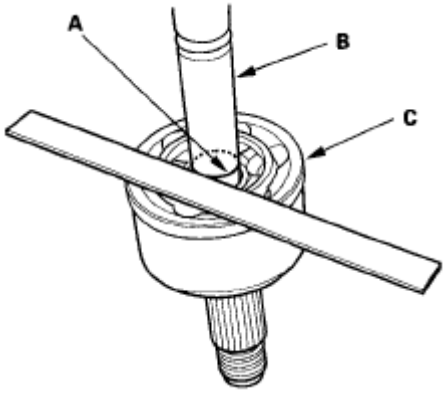

Fig. 18: Identifying Make A Mark On Driveshaft
Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Securely clamp the driveshaft in a bench vise with a shop towel.

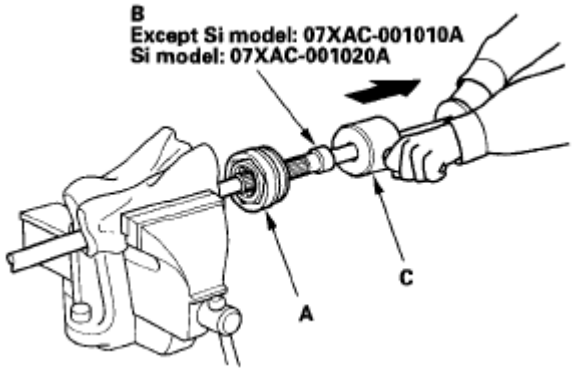

Fig. 19: Clamping Driveshaft In Bench Vise
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Remove the outboard joint (A) using the threaded adapter (B) and a commercially available 5/8"-18 UNF slide hammer (C).
7. Remove the driveshaft from the bench vise.
8. Remove the stop ring from the driveshaft.

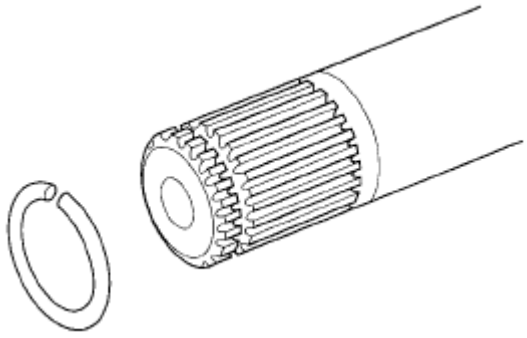

Fig. 20: Identifying Stop Ring
Courtesy of AMERICAN HONDA MOTOR CO., INC.

9. Wrap the splines on the driveshaft with vinyl tape (A) to prevent damaging to the boot.

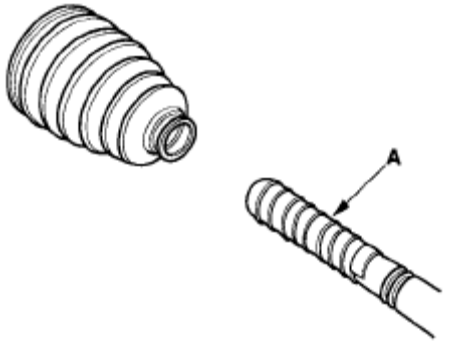

Fig. 21: Identifying Driveshaft Vinyl Tape
Courtesy of AMERICAN HONDA MOTOR CO., INC.

10. Remove the outboard boot. Be careful not to damage the boot.
11. Remove the vinyl tape.

DYNAMIC DAMPER REPLACEMENT

1. Remove the inboard joint (see **INBOARD JOINT SIDE**).
2. Remove the double loop band or low profile bands (see step 2).
   - If the band is a welded type, cut the band.
   - If the band is a double loop type, lift up the band bend, and push it into the clip.
   - If the band is a low profile type, pinch the band using a commercially available boot band pliers.
3. Remove the dynamic damper. Type A

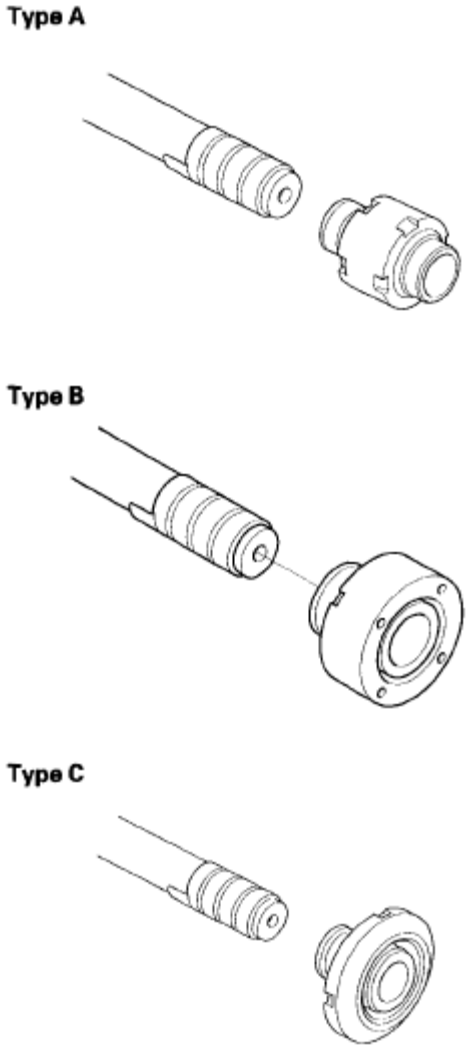

Fig. 22: Identifying Dynamic Damper
Courtesy of AMERICAN HONDA MOTOR CO., INC.

DYNAMIC DAMPER TYPE

Model	Factory		Type
5-speed M/T Model (Except Si)	Suzuka Factory	Right	Type A
		Left	Type A
	Except Suzuka Factory	Right	Type A
		Left	Type A
6-speed M/T Model (Si)		Right	Type B
		Left	Type B
		Right	Type A

A/T Model	Suzuka Factory	Left	Type C
	Except Suzuka Factory	Right	Type A
		Left	Type C

4. Install the new dynamic damper and adjust the position of the new dynamic damper to these measurements

NOTE: Be careful not to swap the dynamic damper.

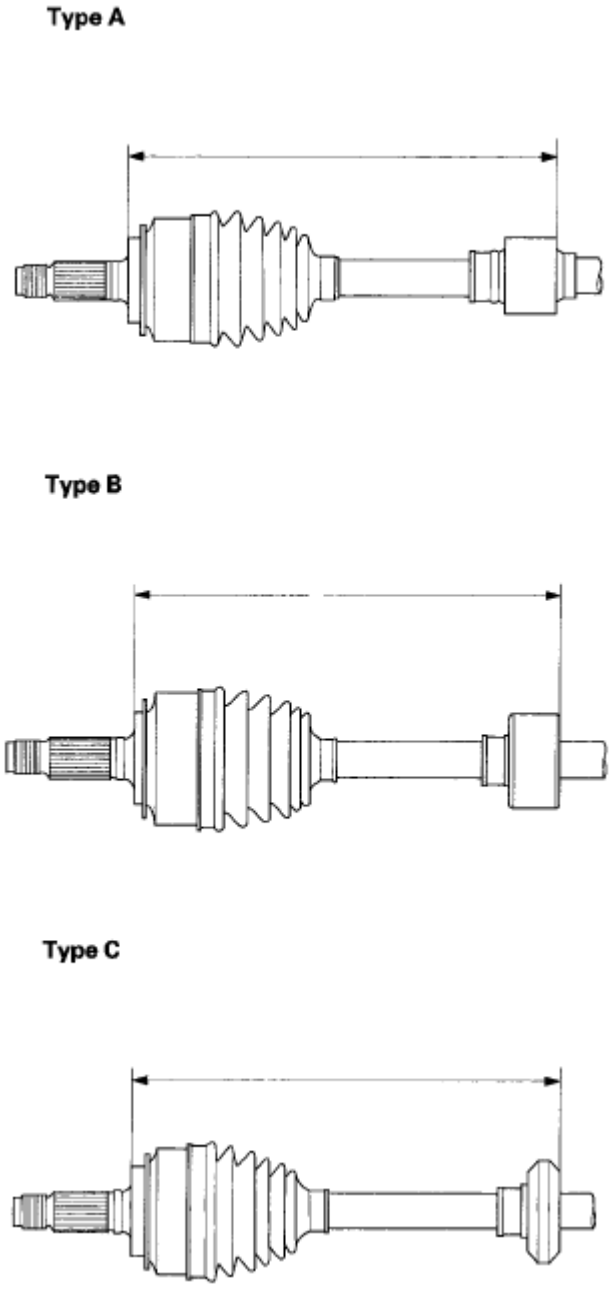

Fig. 23: Identifying Dynamic Damper Dimension
Courtesy of AMERICAN HONDA MOTOR CO., INC.

DYNAMIC DAMPER POSITION

Model	Factory		Type	Measurement
	Suzuka Factory	Right	Type A	292.5-297.5 mm (11.70-11.90 in.)

5-speed M/T Model (Except Si)		Left	Type A	292.5-297.5 mm (11.70-11.90 in.)
	Except Suzuka Factory	Right	Type A	293.0-297.0 mm (11.72-11.88 in)
		Left	Type A	293.0-297.0 mm (11.72-11.88 in.)
6-speed M/T Model (Si)		Right	Type B	284.0-288.0 mm (11.18-11.34 in.)
		Left	Type B	284.0-288.0 mm (11.18-11.34 in.)
A/T Model	Suzuka Factory	Right	Type A	558.0-563.0 mm (22.32-22.52 in.)
		Left	Type C	274.5-279.5 mm (10.98-11.18 in.)
	Except Suzuka Factory	Right	Type A	558.5-562.5 mm (22.34-22.50 in.)
		Left	Type C	275.0-279.0 mm (11.00-11.18 in.)

5. Install the dynamic damper band (see step 10).
6. Install the inboard joint (see **INBOARD JOINT SIDE**).

DRIVESHAFT REASSEMBLY

EXPLODED VIEW

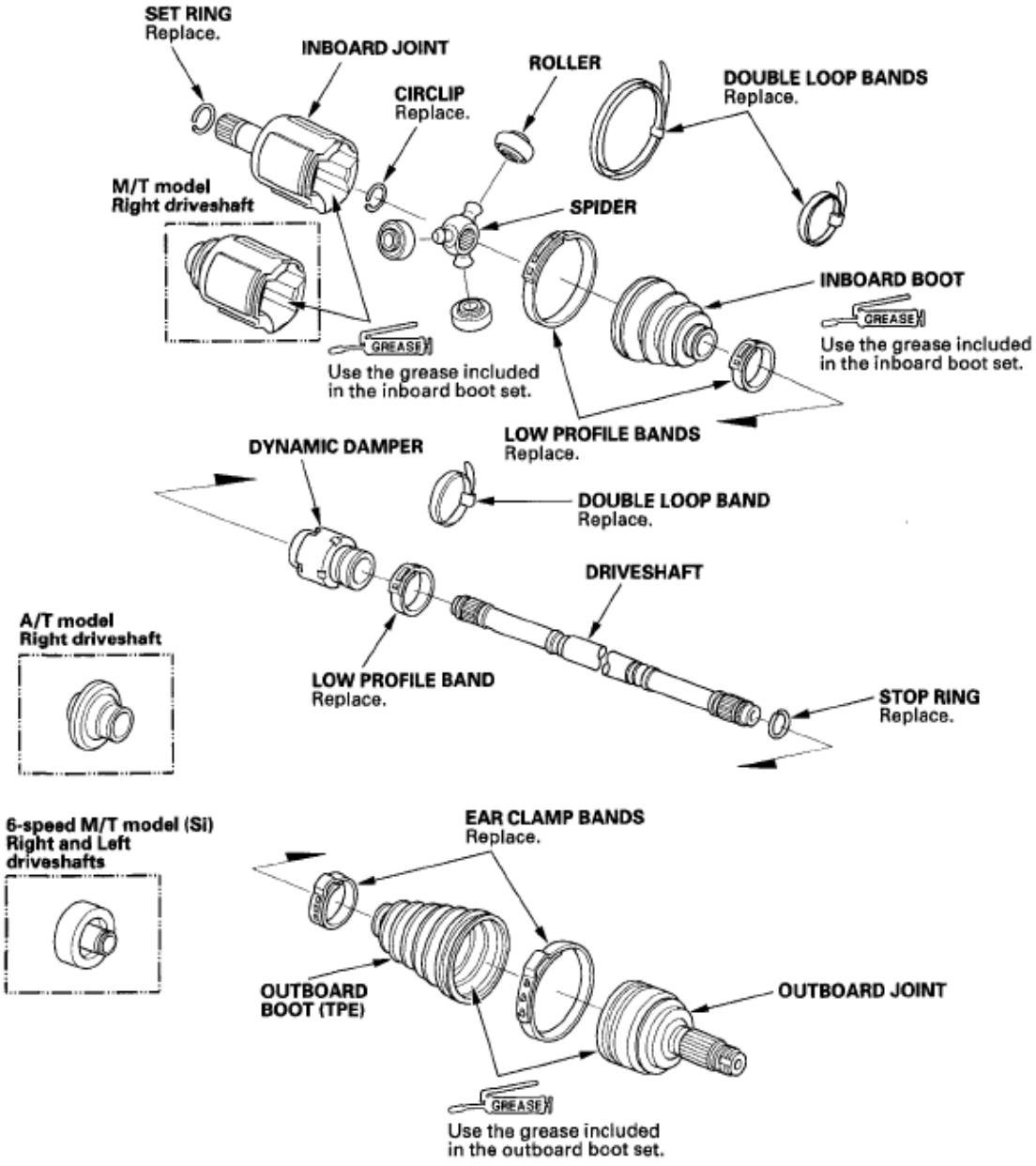

Fig. 24: Exploded View Of Driveshaft Components
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Special Tools Required

- Boot band tool, KD-3191 or equivalent commercially available
- Boot band pliers, Kent-Moore J-35910 or equivalent commercially available

NOTE: Refer to the exploded view, as needed, during this

procedure. See Fig. 24.

INBOARD JOINT SIDE

1. Wrap the splines with vinyl tape (A) to prevent damaging to the inboard boot.

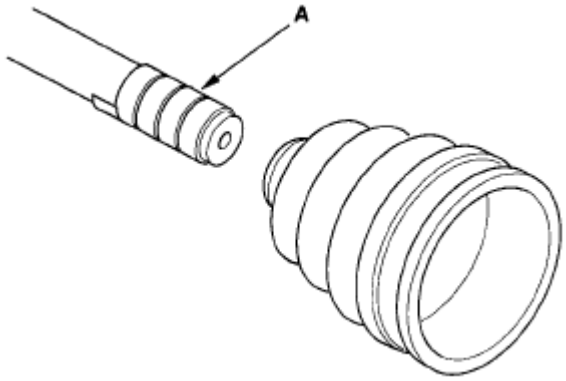

Fig. 25: Identifying Splines With Vinyl Tape
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Install the inboard boot onto the driveshaft, then remove the vinyl tape. Be careful not to damage the inboard boot.
3. Install the spider (A) onto the driveshaft by aligning the marks (B) you made on the spider and the end of the driveshaft.

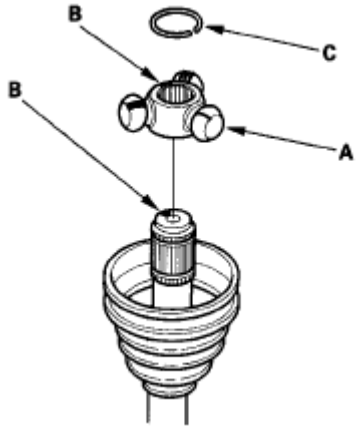

Fig. 26: Aligning Marks On Spider Of Driveshaft
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Fit the circlip (C) into the driveshaft groove. Always rotate the circlip in its

groove to make sure it is fully seated.

5. Fit the rollers (A) onto the spider (B) with the high shoulders facing outward, and note these items:
   - Reinstall the rollers in their original positions on the spider by aligning the marks (C) you made.
   - Hold the driveshaft pointed up to prevent the rollers from falling off.

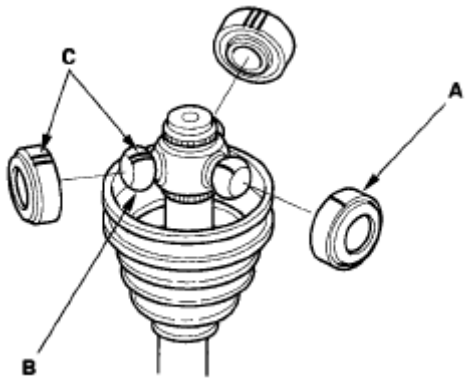

Fig. 27: Identifying Marks Driveshaft Spider
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Pack the inboard joint with the joint grease included in the new in board boot set.

Grease quantity

Inboard joint

5-speed M/T model (except Si):

130-140 g {4.6-4.9 oz)

6-speed M/T model(Si):

180-200 g (6.3-7.0 oz)

A/T model:

100-110 g (3.5-3.9 oz)

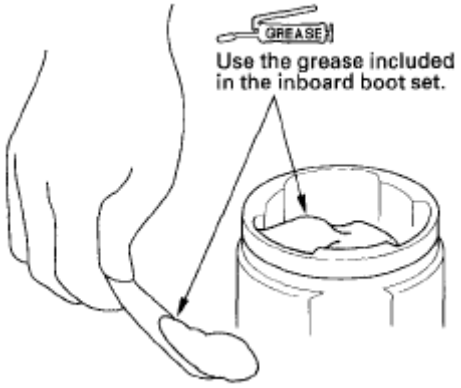

Fig. 28: Identifying Area Applying Grease
Courtesy of AMERICAN HONDA MOTOR CO., INC.

7. Fit the inboard joint onto the driveshaft and note these items:
   - Reinstall the inboard joint onto the driveshaft by aligning the marks (A) you made on the inboard joint and the rollers.
   - Hold the driveshaft so the inboard joint is pointing up to prevent it from falling off.

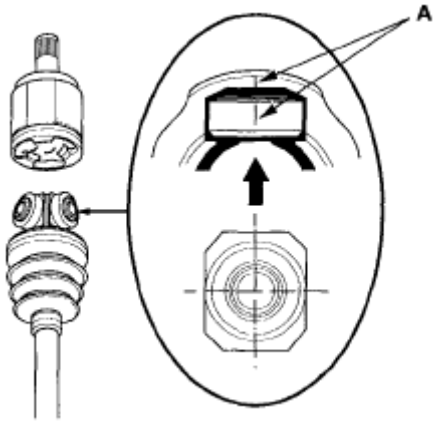

Fig. 29: Identifying Marks On Inboard Joint And Rollers
Courtesy of AMERICAN HONDA MOTOR CO., INC.

8. Fit the boot (A) ends onto the driveshaft (B) and the inboard joint (C).

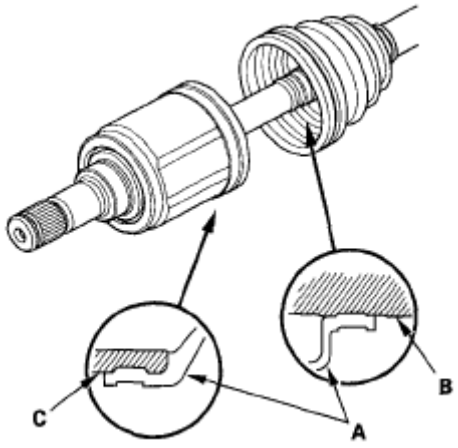

Fig. 30: Locating Driveshaft And Inboard Joint
Courtesy of AMERICAN HONDA MOTOR CO., INC.

9. Adjust the length of the driveshaft to the figure that is on the chart, then adjust the boots to halfway between full compression and full extension.

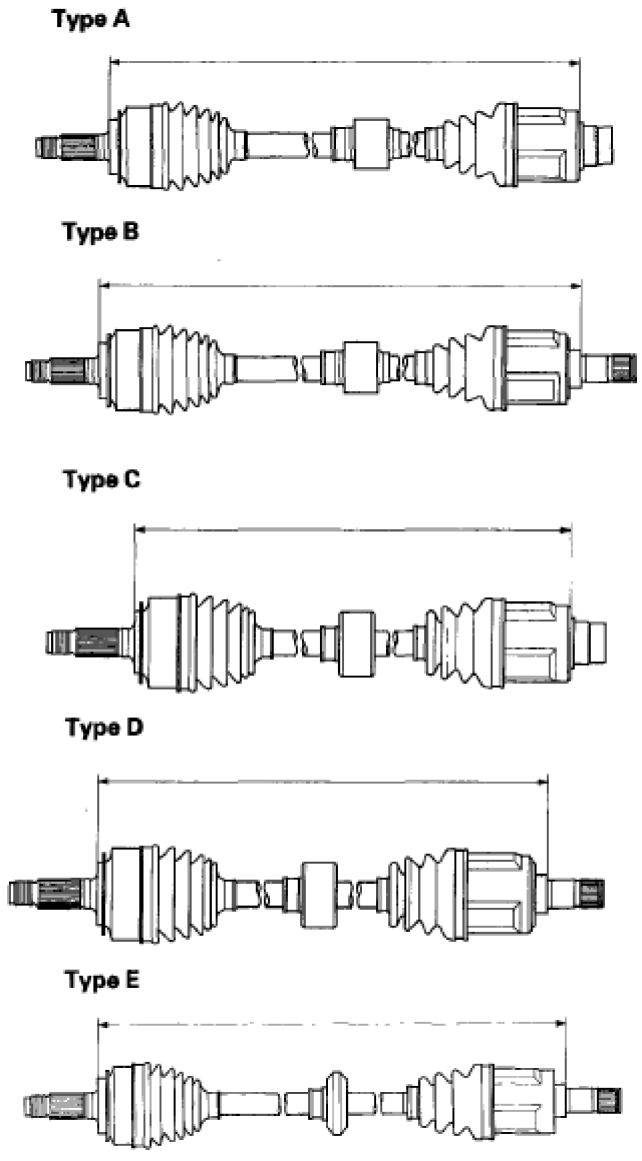

Fig. 31: Identifying Driveshaft Length
Courtesy of AMERICAN HONDA MOTOR CO., INC.

DRIVESHAFT LENGTH (5-SPEED M/T MODEL (EXCEPT SI))

Factory		Type	Measurement
Japan-Produced	Right	Type A	487.0-502.0 mm (19.88-20.08 in.)
	Left	Type B	509.0-514.0 mm (20.36-20.56 in.)

North America-Produced	Right	Type A	493.0-498.0 mm (19.72-19.92 in.)
	Left	Type B	505.0-510.0 mm (20.20-20.40 in.)

DRIVESHAFT LENGTH (6-SPEED M/T MODEL (SI))

Factory		Type	Measurement
	Right	Type C	486.0-491.8 mm (19.17-19.36 in.)
	Left	Type D	510.7-515.7 mm (20.11-20.30 in.)

DRIVESHAFT LENGTH (A/T MODEL)

Factory		Type	Measurement
Japan-Produced	Right	Type B	803.0-808.0 mm (32.12-32.32 in.)
	Left	Type E	511.0-516.0 mm (20.44-20.64 in.)
North America-Produced	Right	Type B	807.0-812.0 mm (32.28-32.48 in.)
	Left	Type E	507.0-512.0 mm (20.28-20.48 in.)

10. Install new double loop bands (replacement part only).
11. Fit the boot ends onto the driveshaft and the inboard joint, then install the new double loop band (A) onto the boot (B).

NOTE: Pass the end of the new double loop band through the clip (C) twice in the direction of the forward rotation of the driveshaft.

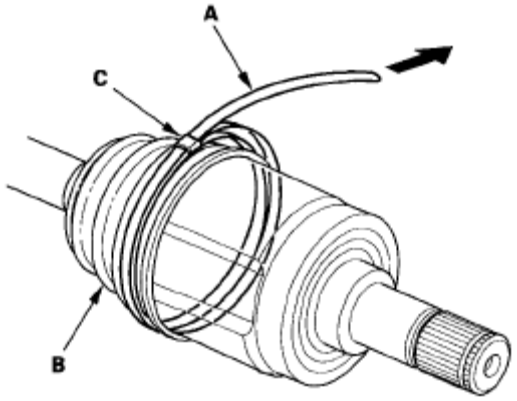

Fig. 32: Twisting In Direction Of Forward Rotation Of Driveshaft
Courtesy of AMERICAN HONDA MOTOR CO., INC.

12. Pull up the slack in the band by hand.
13. Mark a position (A) on the band 10-14 mm (0.4-0.6 in.) from the clip (B).

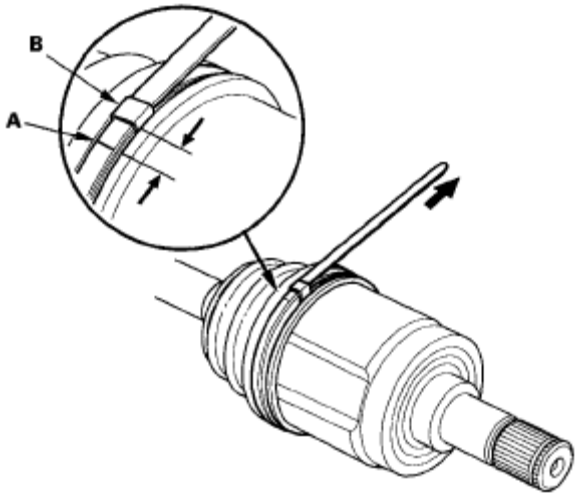

Fig. 33: Identifying Mark Position On Band From Clip
Courtesy of AMERICAN HONDA MOTOR CO., INC.

14. Thread the free end of the band through the nose section of the commercially available boot band tool (A), and into the slot on the winding mandrel

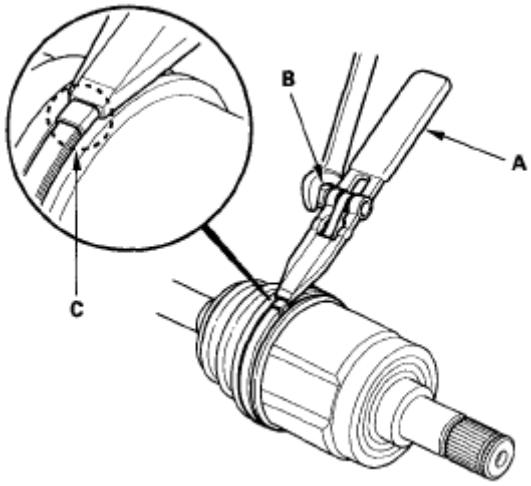

Fig. 34: Tightening Band Until Marked Spot
Courtesy of AMERICAN HONDA MOTOR CO., INC.

15. Using a wrench on the winding mandrel of the boot band tool, tighten the band until the marked spot (C) on the band meets the edge of the clip.
16. Lift up the boot band tool to bend the free end of the band 90 degrees to the clip. Center-punch the clip, then fold over the remaining tail onto the clip.

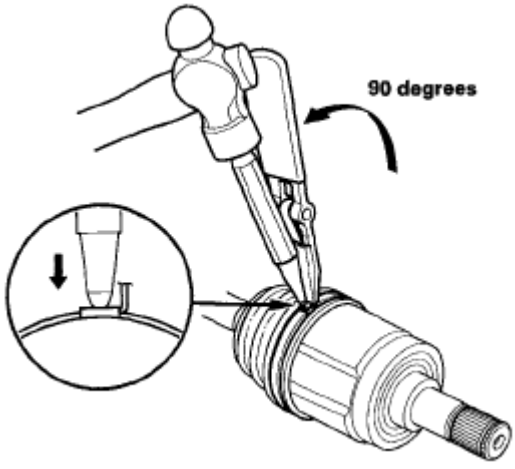

Fig. 35: Lifting Up Boot Band Tool To Bend
Courtesy of AMERICAN HONDA MOTOR CO., INC.

17. Unwind the boot band tool, and cut off the excess free end of the band to leave a 5-10 mm (0.2-0.4 in.) tail protruding from the clip.

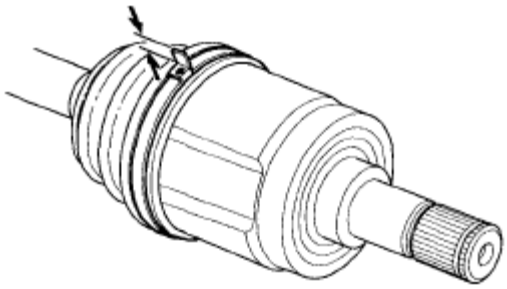

Fig. 36: Identifying Band Tail Protruding
Courtesy of AMERICAN HONDA MOTOR CO., INC.

18. Bend the band end (A) by tapping it down with a hammer.

NOTE:

- **Make sure the band and clip do not interfere with anything on the vehicle and the band does not move.**
- **Remove any grease remaining on the surrounding surfaces.**

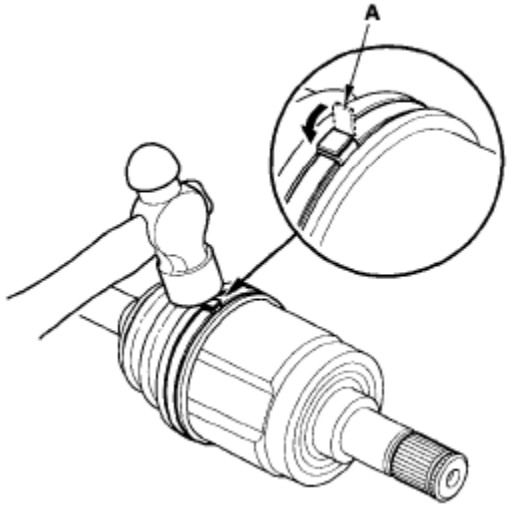

Fig. 37: Tapping Band
Courtesy of AMERICAN HONDA MOTOR CO., INC.

19. Repeat steps 11 through 18 for the band on the other end of the boot.

OUTBOARD JOINT SIDE

1. Wrap the splines with vinyl tape (A) to prevent damaging to the outboard boot.

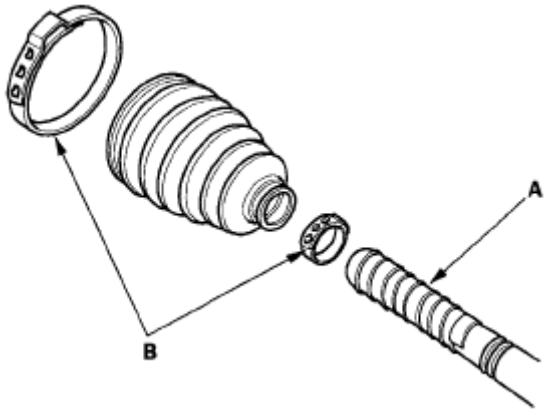

Fig. 38: Identifying Clamp Bands And Splines With Vinyl Tape
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Install the new ear clamp bands (B) and outboard boot, then remove the vinyl tape. Be careful not to damage the outboard boot.
3. Install the new stop ring into the driveshaft groove (A).

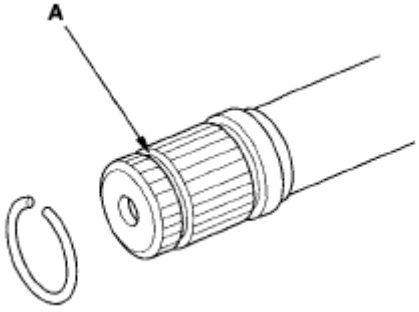

Fig. 39: Identifying Stop Ring Into Driveshaft Groove
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Pack about 35 g (1.2 oz) grease included in the new outboard boot set into the driveshaft hole in the outboard joint.

NOTE: If you are installing a new outboard joint, the grease is already installed.

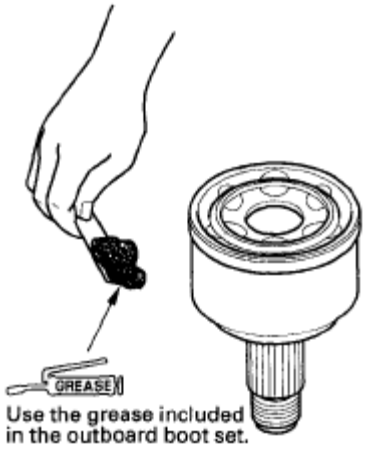

Fig. 40: Identifying Area Applying Grease
Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Insert the driveshaft (A) into the outboard joint (B) until the stop ring (C) is close to the joint.

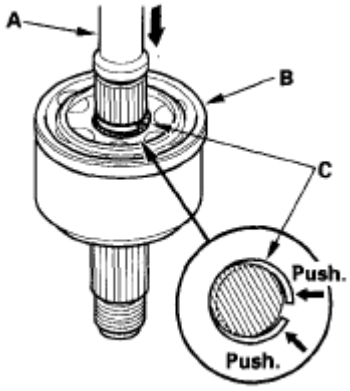

Fig. 41: Locating Driveshaft Stop Ring
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. To completely seat the outboard joint, pick up the driveshaft and joint, and tap or hit them from a height of about 10 cm (4 in.) onto a had surface.

NOTE: Do not use a hammer as excessive force may damage the driveshaft. Be careful not to damage the threaded section (A) of the outboard joint.

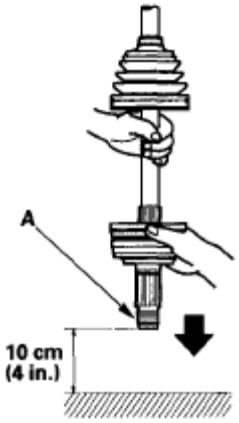

Fig. 42: Locating Threaded Section Of Outboard Joint
Courtesy of AMERICAN HONDA MOTOR CO., INC.

7. Check the alignment of the paint mark (A) you made with the outboard joint rim (B).

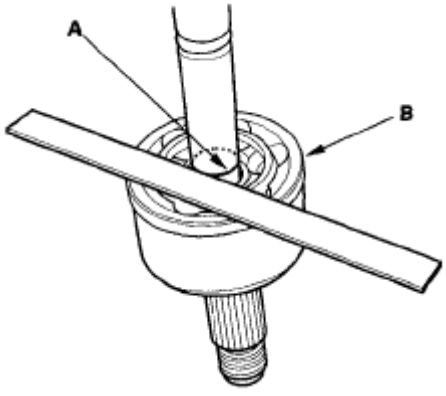

Fig. 43: Checking Alignment Of Paint Mark
Courtesy of AMERICAN HONDA MOTOR CO., INC.

8. Pack the outboard joint (A) with the remaining grease included in the new outboard boot set.

Total grease quantity

Outboard joint

5-speed M/T model (except Si):

105-115 g (3.7-4.0 oz)

6-speed M/T model (Si):

110-130 g (3.8-4.5 oz)

A/T model:

95-105 g (3.4-3.7 oz)

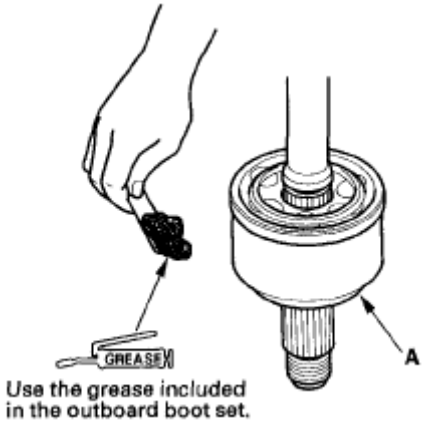

Fig. 44: Identifying Area Applying Grease
Courtesy of AMERICAN HONDA MOTOR CO., INC.

9. Fit the boot (A) ends onto the driveshaft (B) and outboard joint (C).

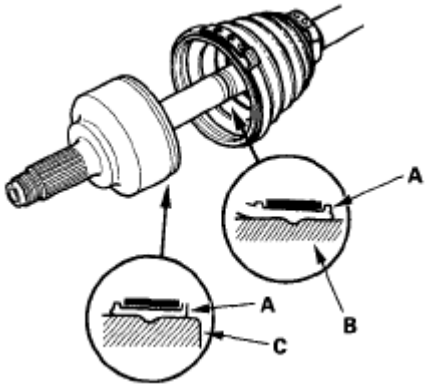

Fig. 45: Identifying Outboard Joint Position
Courtesy of AMERICAN HONDA MOTOR CO., INC.

10. Adjust the length of the driveshaft to the figure as shown, then adjust the boots

to halfway between full compression and full extension.

Doing this prevents a vacuum or too much air in the boot, preventing it from compressing or extending properly.

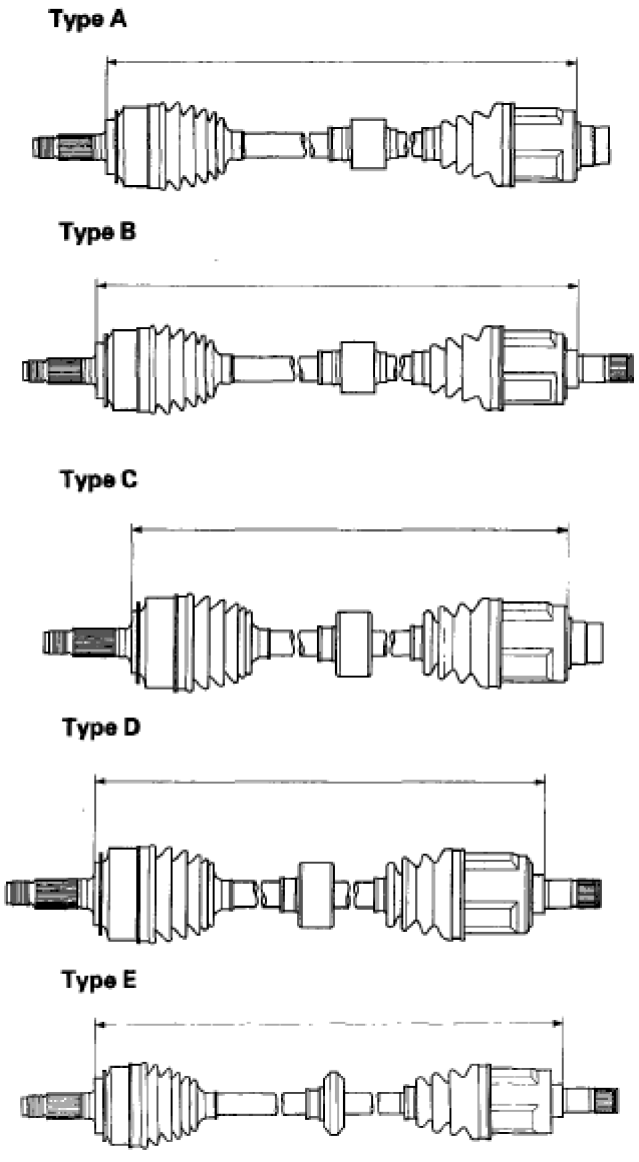

Fig. 46: Identifying Driveshaft Length
Courtesy of AMERICAN HONDA MOTOR CO., INC.

DRIVESHAFT LENGTH (5-SPEED M/T MODEL (EXCEPT SI))

Factory		Type	Measurement

Japan-Produced	Right	Type A	487.0-502.0 mm (19.88-20.08 in.)
	Left	Type B	509.0-514.0 mm (20.36-20.56 in.)
North America-Produced	Right	Type A	493.0-498.0 mm (19.72-19.92 in.)
	Left	Type B	505.0-510.0 mm (20.20-20.40 in.)

DRIVESHAFT LENGTH (6-SPEED M/T MODEL (SI))

Factory		Type	Measurement
	Right	Type C	486.0-491.8 mm (19.17-19.36 in.)
	Left	Type D	510.7-515.7 mm (20.11-20.30 in.)

DRIVESHAFT LENGTH (A/T MODEL)

Factory		Type	Measurement
Japan-Produced	Right	Type B	803.0-808.0 mm (32.12-32.32 in.)
	Left	Type E	511.0-516.0 mm (20.44-20.64 in.)
North America-Produced	Right	Type B	807.0-812.0 mm (32.28-32.48 in.)
	Left	Type E	507.0-512.0 mm (20.28-20.48 in.)

11. Close the ear portion (A) of the band with a commercially available boot band pliers Kent Moore J-35910 or equivalent (B).

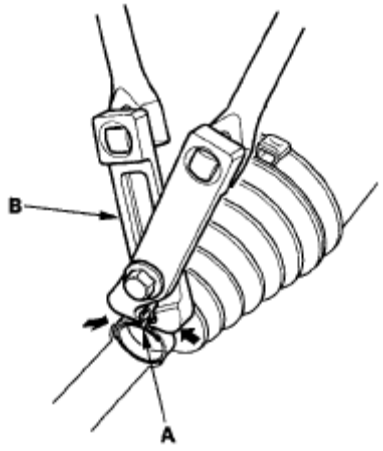

Fig. 47: Closing Portion Of Band
Courtesy of AMERICAN HONDA MOTOR CO., INC.

12. Check the clearance between the closed ear portion of the band. If the clearance is not within the standard, close the ear portion of the band tighter.

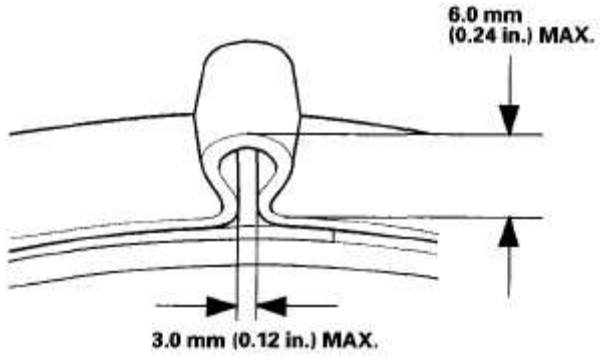

Fig. 48: Identifying Clearance Between Closed Ear Portion Of Band
Courtesy of AMERICAN HONDA MOTOR CO., INC.

13. Repeat steps 11 and 12 for the band on the other end of the boot.

DRIVESHAFT INSTALLATION

NOTE: Before starting installation, make sure the mating surfaces of the joint and the splined section are not dusty or dirty.

1. Apply about 5 g (0.18 oz) moly 60 paste (P/N 08734-0001) to the contact area of the outboard joint and the front wheel bearing.

NOTE: The paste helps to prevent noise and vibration.

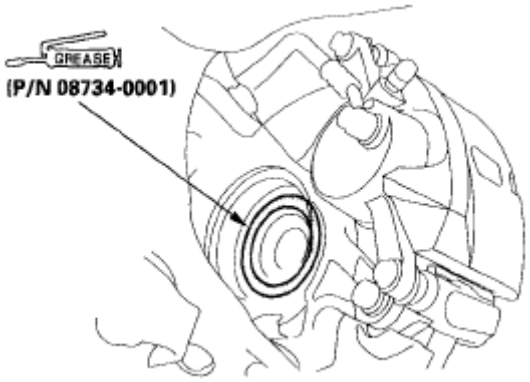

Fig. 49: Identifying Area Applying Grease
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Install a new set ring onto the set ring groove of the driveshaft.

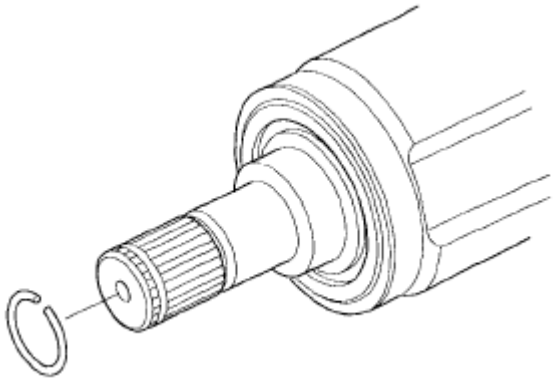

Fig. 50: Identifying Driveshaft Ring
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. M/T model: Apply specified grease to the whole splined surface (A) of the right driveshaft. After applying grease, remove the grease from the splined grooves at intervals of 2-3 splines and from the set ring groove (B) so that air can bleed from the intermediate shaft.

Grease quantity

5-speed M/T model (except Si):

0.5-1.0 g (0.02-0.04 oz)

6-speed M/T model (Si):

2.0-3.0 g (0.08-0.12 oz)

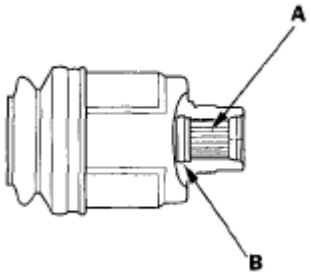

Fig. 51: Identifying Area Applying Grease
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Clean the areas where the driveshaft contacts the differential thoroughly with solvent or brake cleaner, and dry with compressed air.

NOTE: Do not wash the rubber parts with solvent.

5. Insert the inboard end (A) of the driveshaft into the differential (B) or intermediate shaft (C) (M/T model) until the set ring (D) locks in the groove (E).

NOTE: Insert the driveshaft horizontally to prevent damaging the differential oil seal.

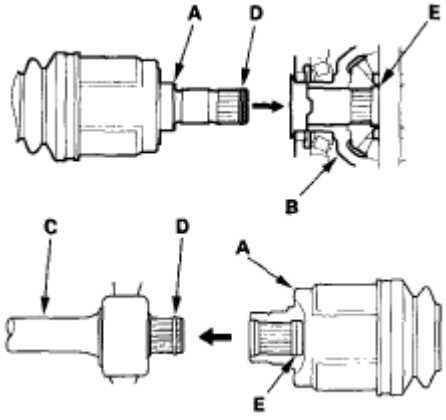

Fig. 52: Inserting Inboard Of Driveshaft Into Differential
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Install the outboard joint (A) into the front hub (B).

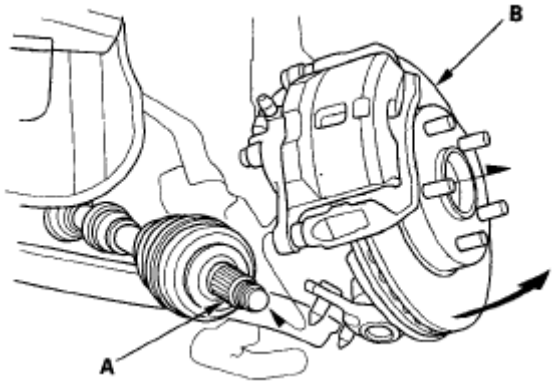

Fig. 53: Identifying Outboard Joint And Front Hub
Courtesy of AMERICAN HONDA MOTOR CO., INC.

7. Install the knuckle (A) onto the lower arm (B). During installation, install a new flange bolt and new self-locking nuts. After lightly tightening all three fasteners, tighten them to the specified torque in the following order; the nut on the front (C), the nut on the rear (D), then the bolt (E).

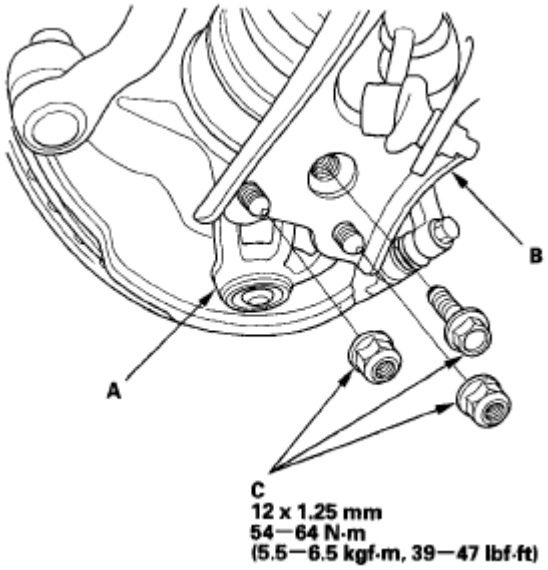

Fig. 54: Identifying Nuts And Bolt With Torque Specification
Courtesy of AMERICAN HONDA MOTOR CO., INC.

8. Apply a small amount of engine oil to the seating surface of the new spindle nut (A).

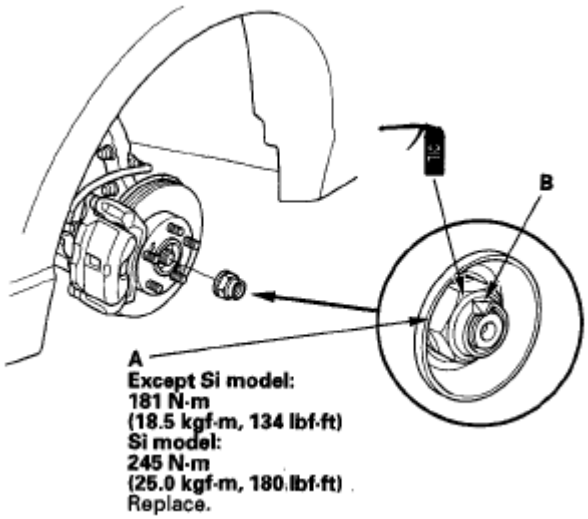

Fig. 55: Identifying Spindle Nut With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

9. Install a new spindle nut, then tighten the nut. After tightening, use a drift to stake the spindle nut shoulder (B) against the driveshaft.
10. Clean the mating surfaces of the brake discs and the front wheels, then install the front wheels.
11. Turn the front wheels by hand, and make sure there is no interference between the driveshaft and surrounding parts.
12. Refill the transmission with the recommended transmission fluid:
    - 5-speed Manual transmission (except Si) (see **TRANSMISSION FLUID INSPECTION AND REPLACEMENT**)
    - 6-speed Manual transmission (Si) (see **TRANSMISSION FLUID INSPECTION AND REPLACEMENT**).
    - Automatic transmission (see **ATF REPLACEMENT**)
13. Lower the vehicle on the lift.
14. Check the front wheel alignment, and adjust it if necessary (see **WHEEL ALIGNMENT**).
15. Test-drive the vehicle.

INTERMEDIATE SHAFT REMOVAL

5-SPEED M/T MODEL (EXCEPT SI)

1. Drain the transmission fluid. Reinstall the drain plug with a new washer (see **TRANSMISSION FLUID INSPECTION AND REPLACEMENT**).
2. Remove the right driveshaft (see **DRIVESHAFT REMOVAL**).
3. Remove the lower torque rod bracket (A).

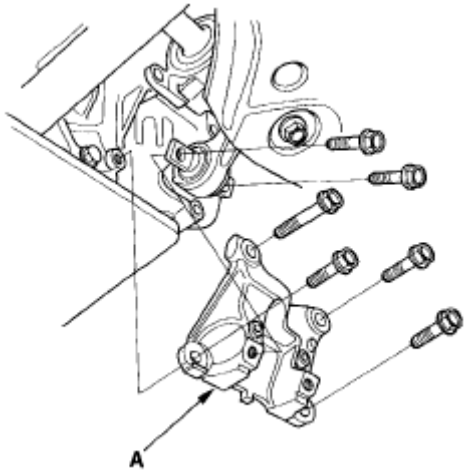

Fig. 56: Identifying Lower Torque Rod Bracket
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Remove the flange bolts.

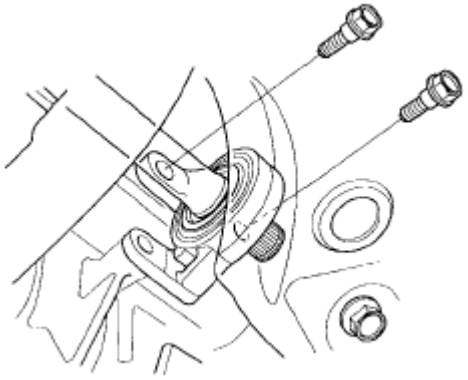

Fig. 57: Identifying Flange Bolts
Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Remove the intermediate shaft (A) from the differential. Hold the intermediate shaft horizontal until it is clear of the differential to prevent damaging the differential oil seal (B).

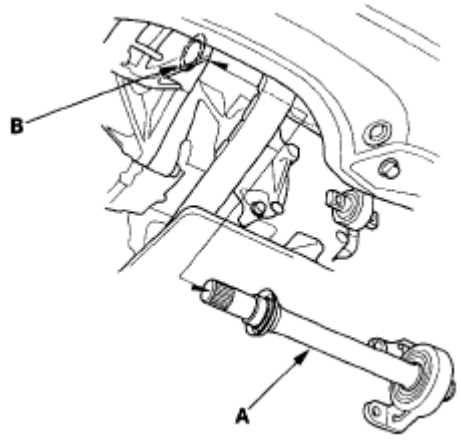

Fig. 58: Identifying Intermediate Shaft And Oil Seal
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6-SPEED M/T MODEL (SI)

1. Drain the transmission fluid. Reinstall the drain plug with a new washer (see **TRANSMISSION FLUID INSPECTION AND REPLACEMENT**).
2. Remove the right driveshaft (see **DRIVESHAFT REMOVAL**).
3. Remove the heat shield (A).

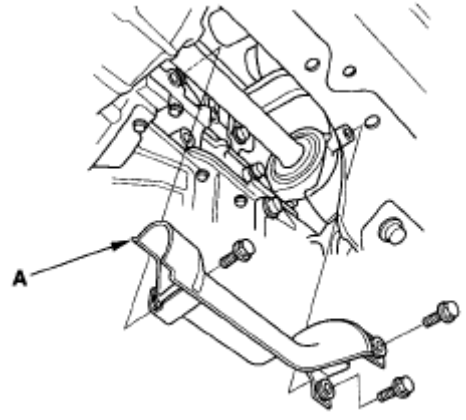

Fig. 59: Identifying Heat Shield
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Remove the flange bolt (A) and the two shoulder bolts (B).

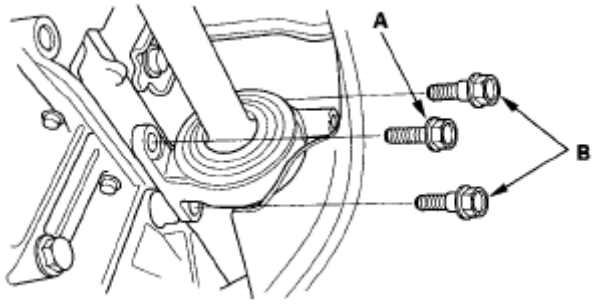

Fig. 60: Identifying Shoulder Bolts
Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Remove the intermediate shaft (A) from the differential. Hold the intermediate shaft horizontal until it is clear of the differential to prevent damaging the differential oil seal (B).

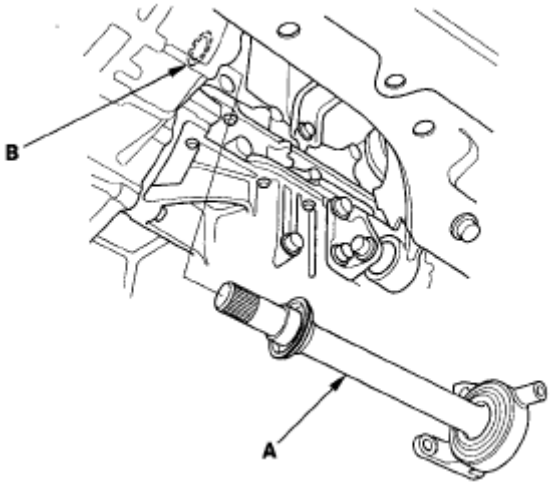

Fig. 61: Identifying Intermediate Shaft And Oil Seal
Courtesy of AMERICAN HONDA MOTOR CO., INC.

INTERMEDIATE SHAFT DISASSEMBLY

Special Tools Required

- Half shaft base 07NAF-SR30101
- Oil seal driver 07947-SB00100

5-SPEED M/T MODELS (EXCEPT SI)

1. Remove the set ring (A), the outer seal (B), and the external snap ring (C).

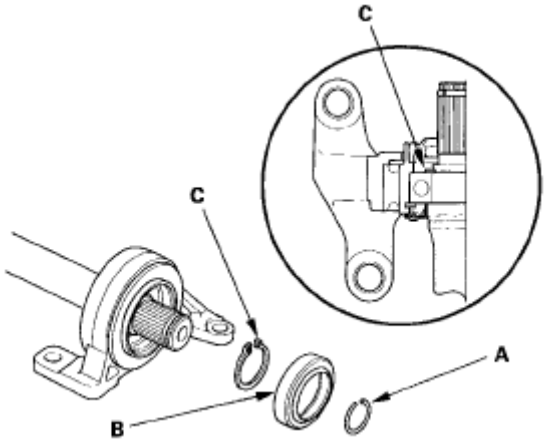

Fig. 62: Identifying External Snap Ring - 5-Speed M/T Models (Except Si)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Press the intermediate shaft (A) out of the intermediate shaft bearing (B) using a press. Be careful not to damage the bearing support ring (C) on the intermediate shaft during disassembly.

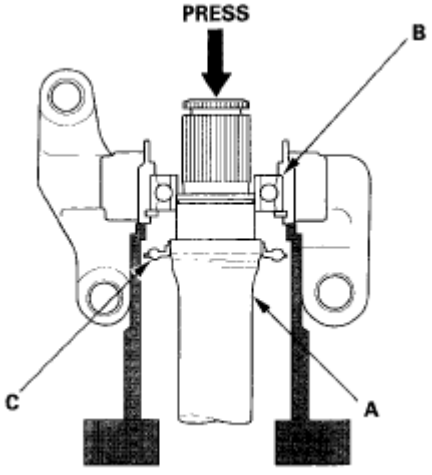

Fig. 63: Pressing Intermediate Shaft Out Of Intermediate Shaft Bearing
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the internal snap ring.

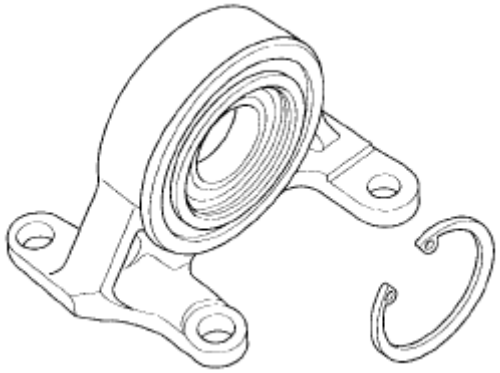

Fig. 64: Identifying Internal Snap Ring
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Press the intermediate shaft bearing (A) out of the bearing support (B) using the half shaft base (C), oil seal driver (D), and a press.

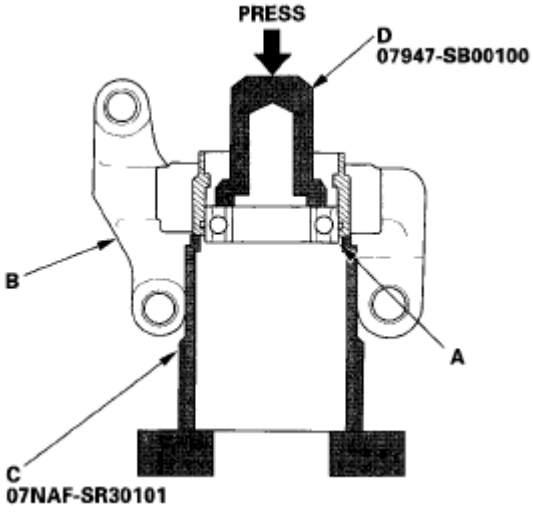

Fig. 65: Pressing Intermediate Shaft Bearing Out Of Bearing Support
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6-SPEED M/T MODEL (SI)

1. Remove the set ring (A), the outer seal (B), and the external snap ring (C).

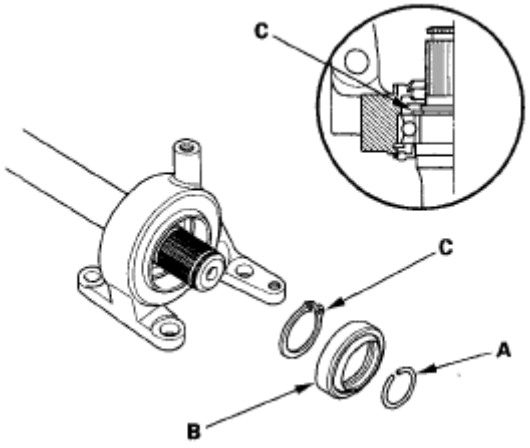

Fig. 66: Identifying External Snap Ring - 6-Speed M/T Model (Si)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Press the intermediate shaft (A) out of the intermediate shaft bearing (B) using a press. Be careful not to damage the bearing support ring (C) on the intermediate shaft during disassembly.

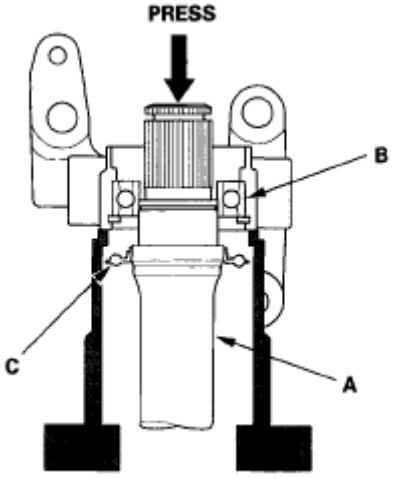

Fig. 67: Pressing Intermediate Shaft Out Of Intermediate Shaft Bearing
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the internal snap ring.

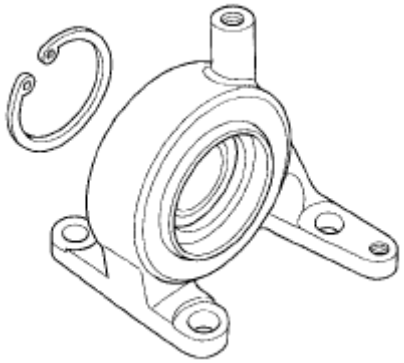

Fig. 68: Identifying Internal Snap Ring
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Press the intermediate shaft bearing (A) out of the bearing support (B) using the half shaft base (C), oil seal driver (D) and a press.

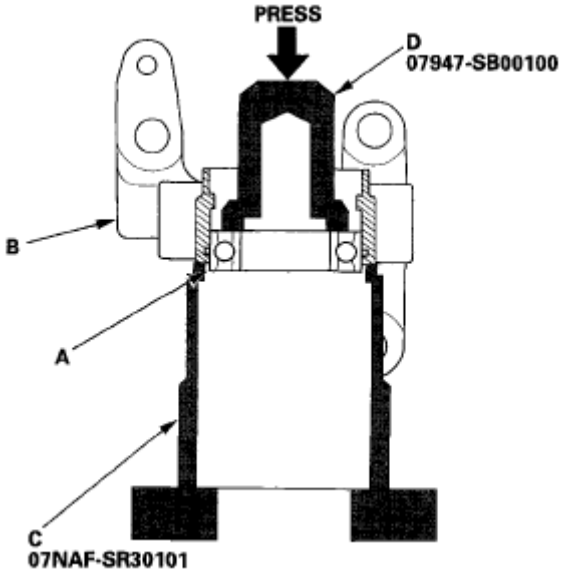

Fig. 69: Pressing Intermediate Shaft Bearing Out Of Bearing Support
Courtesy of AMERICAN HONDA MOTOR CO., INC.

INTERMEDIATE SHAFT REASSEMBLY

5-SPEED M/T MODEL (EXCEPT SI)

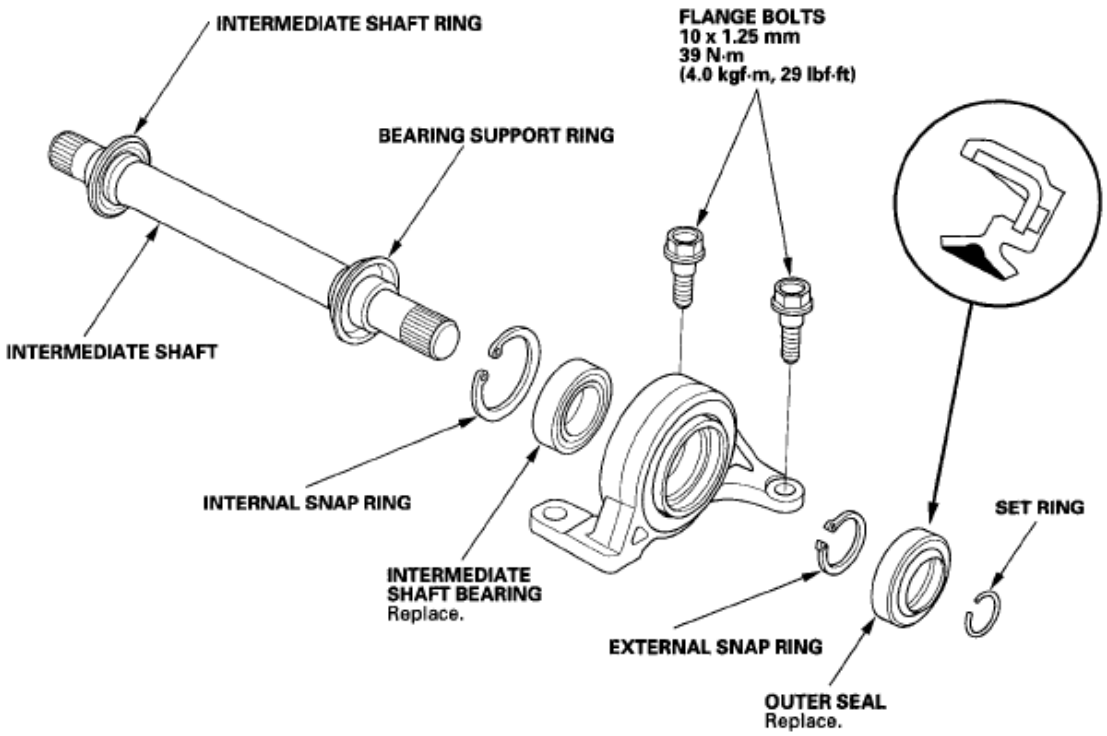

Fig. 70: Exploded View Of Intermediate Shaft - 5-Speed M/T Model (Except Si) With Torque Specification
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Special Tools Required

- Oil seal driver 07GAD-PH70201
- Attachment, 52 x 55 mm 07746-0010400
- Attachment, 35 mm I.D. 07746-0030400
- Driver 07749-0010000

NOTE: Refer to Fig. 70, as needed, during this procedure.

5-speed M/T model (except Si)

1. Clean the disassembled parts with solvent, and dry them with compressed air.

   NOTE: Do not wash the rubber parts with solvent.

2. Press the intermediate shaft bearing (A) into the bearing support (B) using the

52 x 55 mm attachment (C), driver (D), and a press.

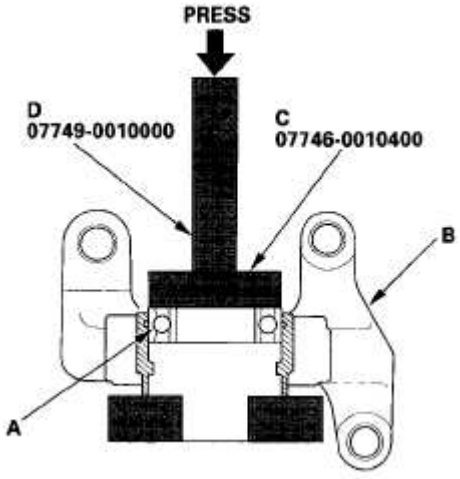

Fig. 71: Pressing Intermediate Shaft Bearing
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Seat the internal snap ring into the groove of the bearing support.

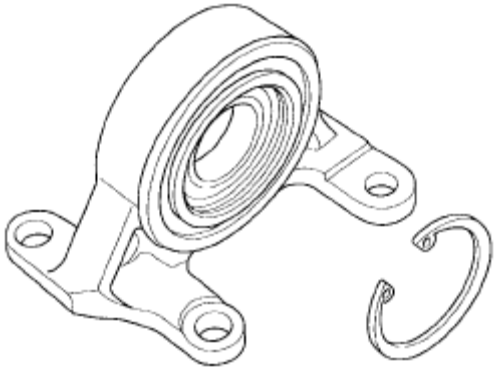

Fig. 72: Identifying Internal Snap Ring
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Press the intermediate shaft (A) into the new shaft bearing (B) using the 35 mm I.D. attachment (C) and a press.

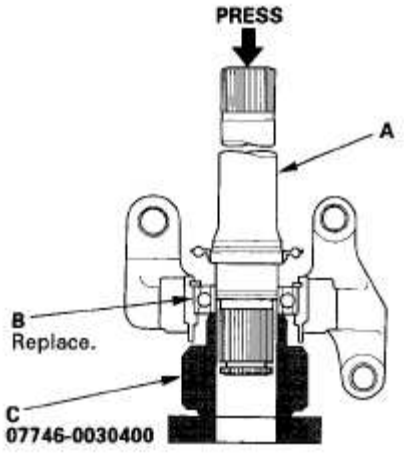

Fig. 73: Pressing Intermediate Shaft
Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Seat the external snap ring (A) into the groove of the intermediate shaft (B).

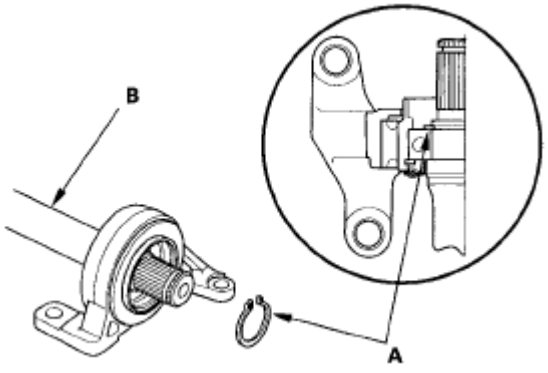

Fig. 74: Identifying External Snap Ring
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Install the new outer seal (A) into the bearing support (B) using the oil seal driver (C) and a press.

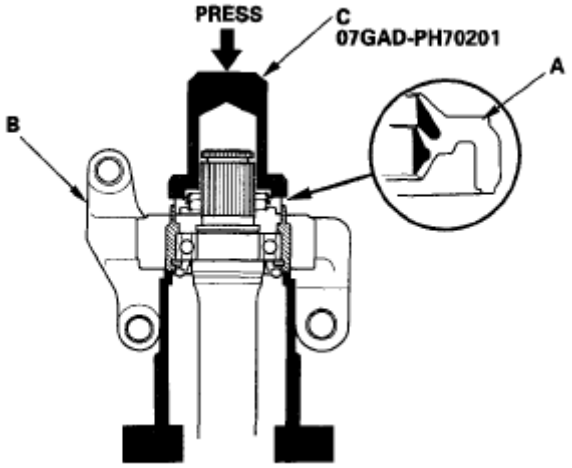

Fig. 75: Identifying Outer Seal
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6-SPEED M/T MODEL (SI)

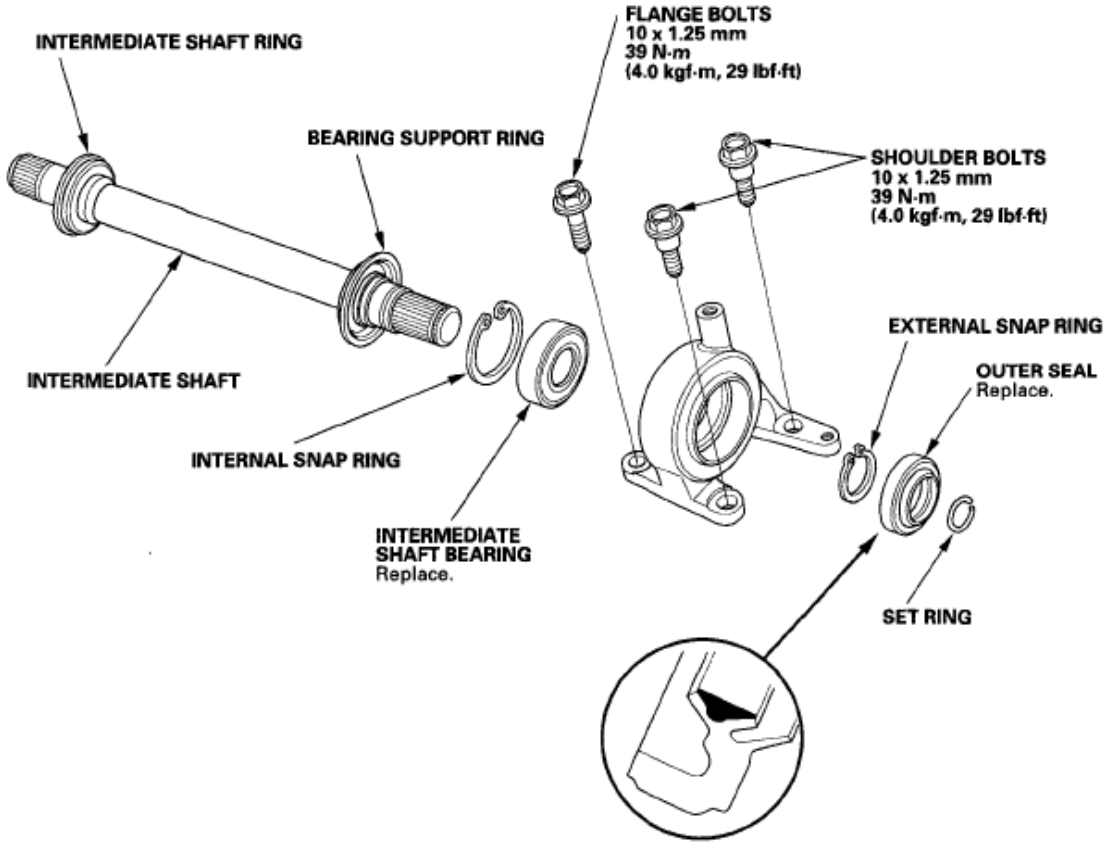

Fig. 76: Exploded View Of Intermediate Shaft - 6-Speed M/T Model (Si) With Torque Specifications

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Special Tools Required

- Oil seal driver 07GAD-PH70201
- Attachment, 52 x 55 mm 07746-0010400
- Attachment, 35 mm I.D. 07746-0030400
- Driver 07749-0010000

NOTE: Refer to Fig. 76, as needed, during this procedure.

1. Clean the disassembled parts with solvent, and dry them with compressed air.

   NOTE: Do not wash the rubber parts with solvent.

2. Press the intermediate shaft bearing (A) into the bearing support (B) using the 52 x 55 mm attachment (C), driver (D), and a press.

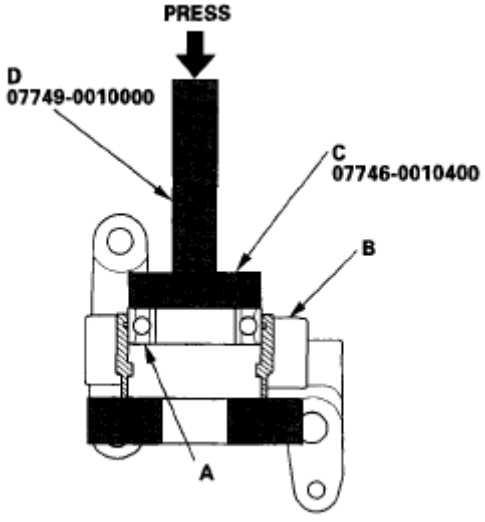

Fig. 77: Pressing Intermediate Shaft Bearing
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Seat the internal snap ring into the groove of the bearing support.

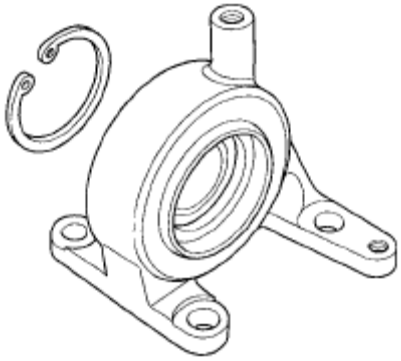

Fig. 78: Identifying Internal Snap Ring
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Press the intermediate shaft (A) into the new shaft bearing (B) using the 35 mm I.D. attachment (C) and a press.

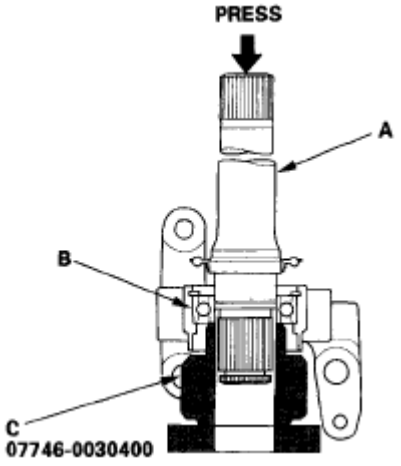

Fig. 79: Pressing Intermediate Shaft
Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Seat the external snap ring (A) into the groove of the intermediate shaft (B).

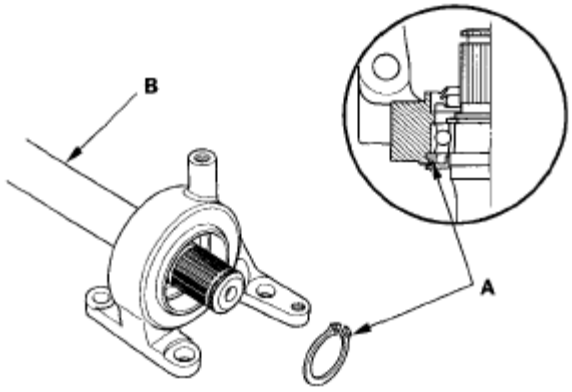

Fig. 80: Identifying External Snap Ring
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Install the new outer seal (A) into the bearing support (B) using the oil seal driver (C) and a press.

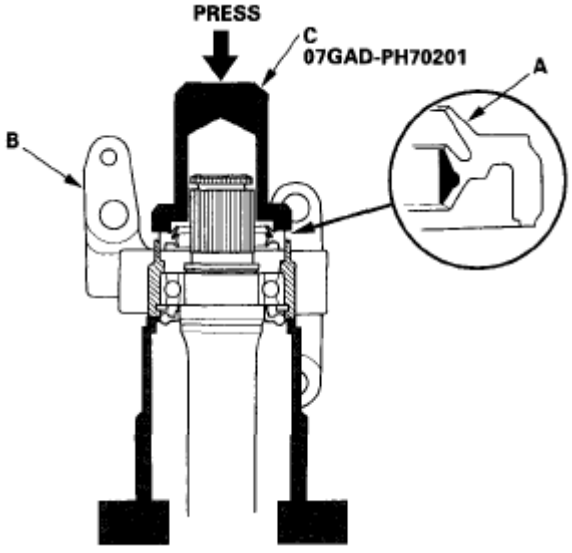

Fig. 81: Identifying Outer Seal
Courtesy of AMERICAN HONDA MOTOR CO., INC.

INTERMEDIATE SHAFT INSTALLATION

5-SPEED MODEL (EXCEPT SI)

1. Install the new set ring.

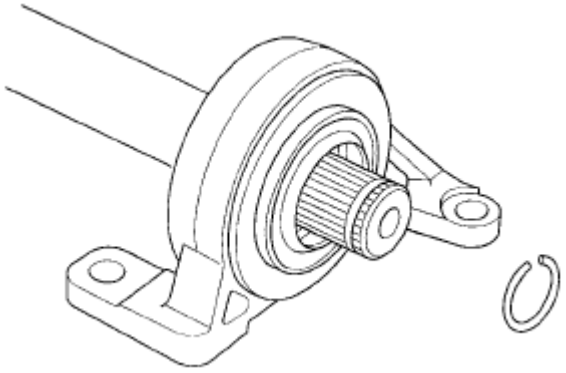

Fig. 82: Identifying Set Ring - 5-Speed Model (Except Si)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Clean the areas where the intermediate shaft contacts the differential thoroughly with solvent or brake cleaner, and dry with compressed air.

NOTE: Do not wash the rubber parts with solvent.

3. Insert the intermediate shaft assembly (A) into the differential until the set ring locks in the groove.

NOTE: Insert the intermediate shaft horizontally to prevent damaging the differential oil seal (B).

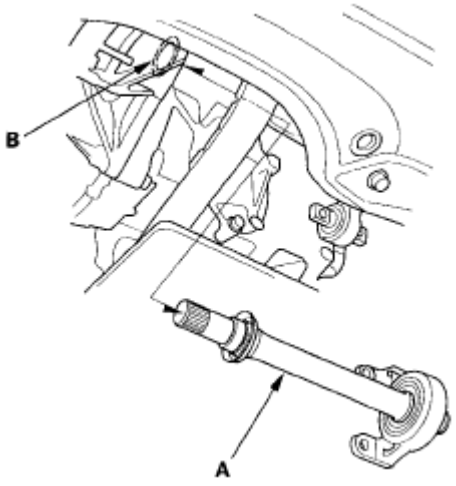

Fig. 83: Identifying Intermediate Shaft Assembly And Differential Oil Seal
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Install the flange bolts (A).

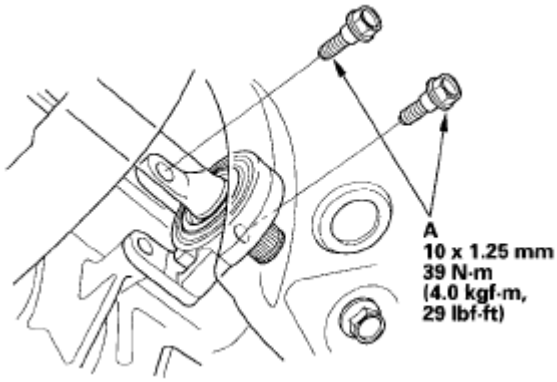

Fig. 84: Identifying Flange Bolts With Torque Specification
Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Install the lower torque rod bracket (A), and tighten the flange bolts in the sequence shown.

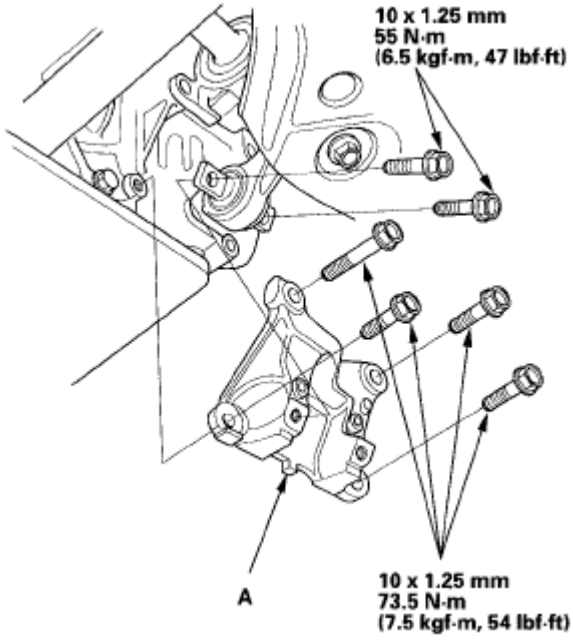

Fig. 85: Identifying Lower Torque Rod Bracket With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Install the right driveshaft (see **DRIVESHAFT INSTALLATION**).

7. Refill the transmission with the recommended transmission fluid (see **TRANSMISSION FLUID INSPECTION AND REPLACEMENT**).
8. Test-drive the vehicle.

6-SPEED M/T MODEL (SI)

1. Install the new set ring.

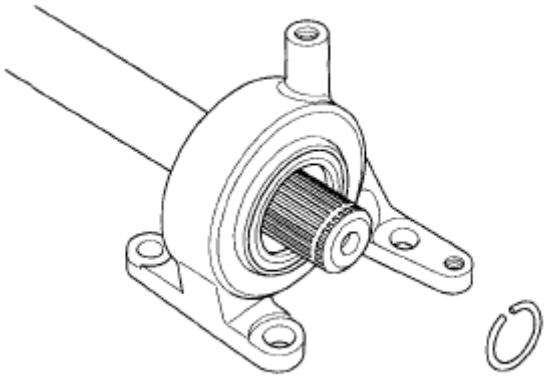

Fig. 86: Identifying Set Ring - 6-Speed M/T Model (Si)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Clean the areas where the intermediate shaft contacts the differential thoroughly with solvent or brake cleaner, and dry with compressed air.

NOTE: Do not wash the rubber parts with solvent.

3. Insert the inboard end (A) of the driveshaft into the differential (B) or intermediate shaft (C) until the set ring (D) locks in the groove (E).

NOTE: Insert the driveshaft horizontally to prevent damaging the differential oil seal.

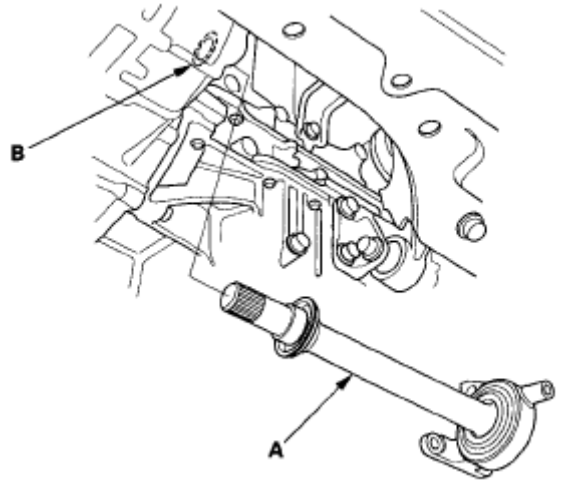

Fig. 87: Identifying Intermediate Shaft Assembly And Differential Oil Seal
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Install the flange bolt (A) and the two shoulder bolts (B).

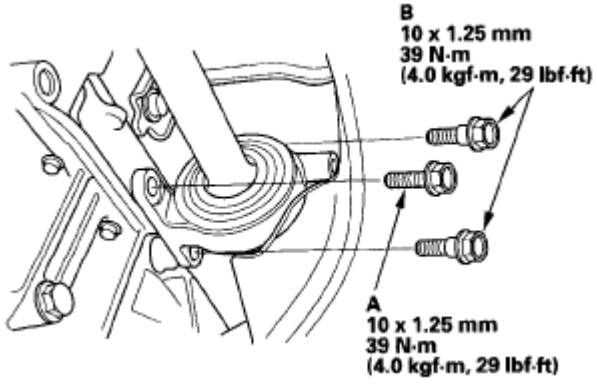

Fig. 88: Identifying Shoulder Bolts With Torque Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Install the heat shield (A), and tighten the three bolts.

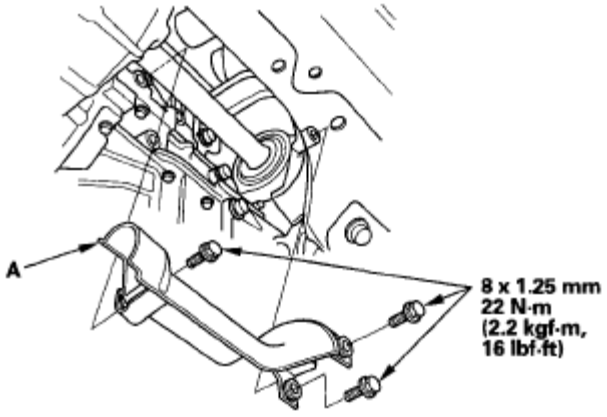

Fig. 89: Identifying Heat Shield Bolts With Torque Specification
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Install the right driveshaft (see **DRIVESHAFT INSTALLATION**).
7. Refill the transmission with the recommended transmission fluid (see **TRANSMISSION FLUID INSPECTION AND REPLACEMENT**).
8. Test-drive the vehicle.